

PARTS AND REPAIR MANUAL

THIS MANUAL COVERS
THE COMPLETE LINE
OF ARIENS 22000
SERIES SNO-THRO
TRACTORS AND AT-
TACHMENTS FOR THE
YEARS 1969 THROUGH
1978 INCLUSIVE.

▲ SAFETY MESSAGE ▲

The product for which you have requested information or replacement parts is not a current product. The replacement models incorporate product designs, safety features, safety instructions or warnings which represent the latest "State Of The Art" developments. For your safety and those around you please contact your nearest Ariens/Gravely Dealer for a demonstration of the current product safety provisions and features.

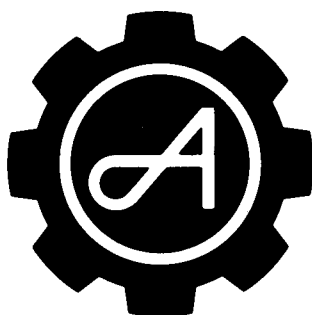
For complete information regarding model numbers and serial numbers see page 2.

PRM 22000

1969 TO 1978 INCLUSIVE

Part No. 000138A

ARIENS COMPANY



Ariens

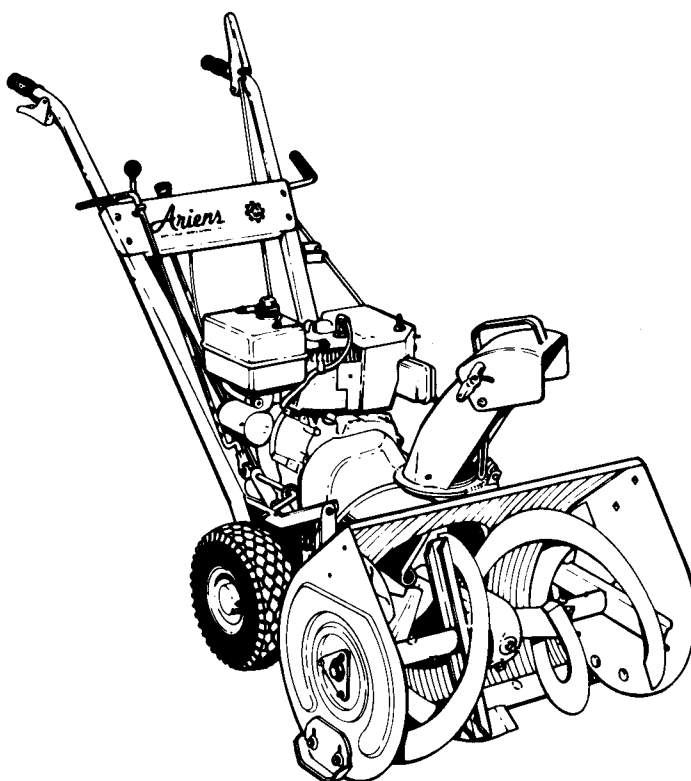
4,5 & 6 H.P.

TRACTOR

and

SNO-THRO

ATTACHMENT



BRILLION, WIS. 54110

INDEX

22000 SERIES SNO-THRO

1969 THROUGH 1978

MODEL NUMBER and SERIAL NUMBER of your machine will be stamped on the frame or printed on the Serial Number Decal which will be located on the frame near the engine on all Ariens products. Do not be confused with other identification plates located on the engine or attachments.



1. EXPLODED VIEW AND PARTS LIST

YEAR	CATALOG	MODEL	SERIAL	PAGE NO.
1978	PM-22-77	922025	007001 & Up	5 to 11
1976/77	PM-22-75	922025	000101 - 007000	12 to 18
1978	PM-22-77	922024	018001 & Up	5 to 11
1976/77	PM-22-75	922024	000101 - 018000	12 to 18
1978	PM-22-77	922023	000101 & Up	5 to 11
1978	PM-22-77	922022	007001 & Up	5 to 11
1976/77	PM-22-75	922022	000101 - 007000	12 to 18
1978	PM-22-77	922021	000101 & Up	5 to 11
1978	PM-22-77	922020	011001 & Up	5 to 11
1976/77	PM-22-75	922020	000101 - 011000	12 to 18
1978	PM-22-77	922019	000101 & Up	5 to 11
1978	PM-22-77	922018	008001 & Up	5 to 11
1976/77	PM-22-75	922018	000101 - 008000	12 to 18
1975	PM-22-74	922017	000101 & Up	20 to 25
1975	PM-22-74	922016	000101 - 002449	20 to 25
1975	PM-22-74	922015	000101 & Up	20 to 25
1975	PM-22-74	922014	000101 - 003901	20 to 25
1975	PM-22-74	922013	000101 & Up	20 to 25
1975	PM-22-74	922012	000101 - 002678	20 to 25
1975	PM-22-74	922010	003906 - 006163	20 to 25
1974	PM-22-73	922010	000101 - 003824	27 to 29
1974	PM-22-73	922009	000101 - 003834	27 to 29
1974	PM-22-73	922008	008501 - 013504	27 to 29
1973	PM-22-72	922008	000101 - 008501	30 to 33
1974	PM-22-73	922007	000125 & Up	27 to 29
1973	PM-22-72	922007	000101 - 000125	30 to 33

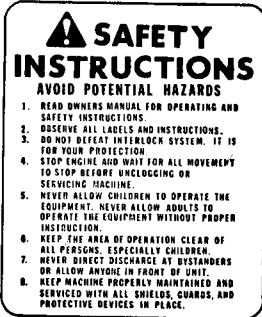
1974	PM-22-73	922006	006601 - 009778	27 to 29
1973	PM-22-72	922006	000101 - 006600	30 to 33
1975	PM-22-74	922003	033701 - 040000	20 to 25
1974	PM-22-73	922003	025501 - 033700	27 to 29
1973	PM-22-72	922003	010600 - 025500	30 to 33
1972	PM-22-71	922999	000101 & Up	34 to 37
1971/72	PM-22-72	922003	000001 - 010599	34 to 37
1971/72	PM-22-71	922002	000001 - 010517	34 to 37
1970	PM-22-69	22999	010000 - 019553	38 to 41
1969	FHST-68	22999	000001 - 010000	42 to 45

1. EXPLODED VIEW AND PARTS LIST	5-45
2. SERVICE AND ADJUSTMENTS	46-52
3. 120 VOLT ELECTRIC STARTER KIT	53-54
4. LUBRICATION	55
5. TROUBLESHOOTING	56
6. BELT CROSS REFERENCE	56
7. ENGINE CROSS REFERENCE	57-59



Ariens

ATTACHMENT CLUTCH MUST BE OUT WHEN STARTING ENGINE OR LEAVING HANDLE AREA. COMPRESS EITHER HANDLE LEVER TO KEEP ENGINE RUNNING IF ATTACHMENT CLUTCH IS IN.



COMPLIANCE WITH CANADIAN RADIO INTERFERENCE REGULATIONS CERTIFIED
REPLACE SPARK PLUG WITH RESISTOR SPARK PLUG ONLY!
CERTIFIÉ CONFORME AU RÈGLEMENT CANADIEN SUR LE BROUILLAGE RADIOÉLECTRIQUE
REMPLACER LA ROUGIE PAR UNE ROUGIE À RESISTANCE SEULEMENT!

OPERATING INSTRUCTIONS REFER TO OWNERS MANUAL TO START TURN KEY SWITCH ON AND PULL STARTER FROM RIGHT SIDE OF MACHINE TO STOP TURN KEY SWITCH TO OFF AND REMOVE KEY

78398

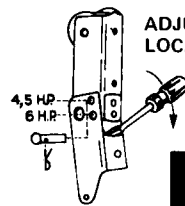
ORDER DECALS BY ARIENS PART NUMBER SHOWN

BE AWARE OF SAFETY DECALS

INTERLOCK LEVER

Ariens
ARIENS COMPANY BRILLION, WISCONSIN U.S.A.

78061



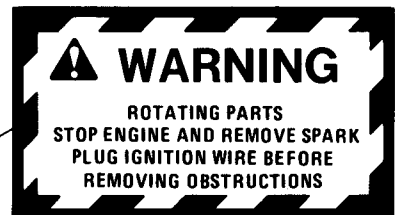
78251



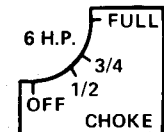
78324



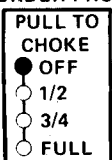
78326



78323



ORDER FROM TECUMSEH



4 & 5 H.P.

120 VOLT A.C. ELECTRIC STARTER
PUSH TO START

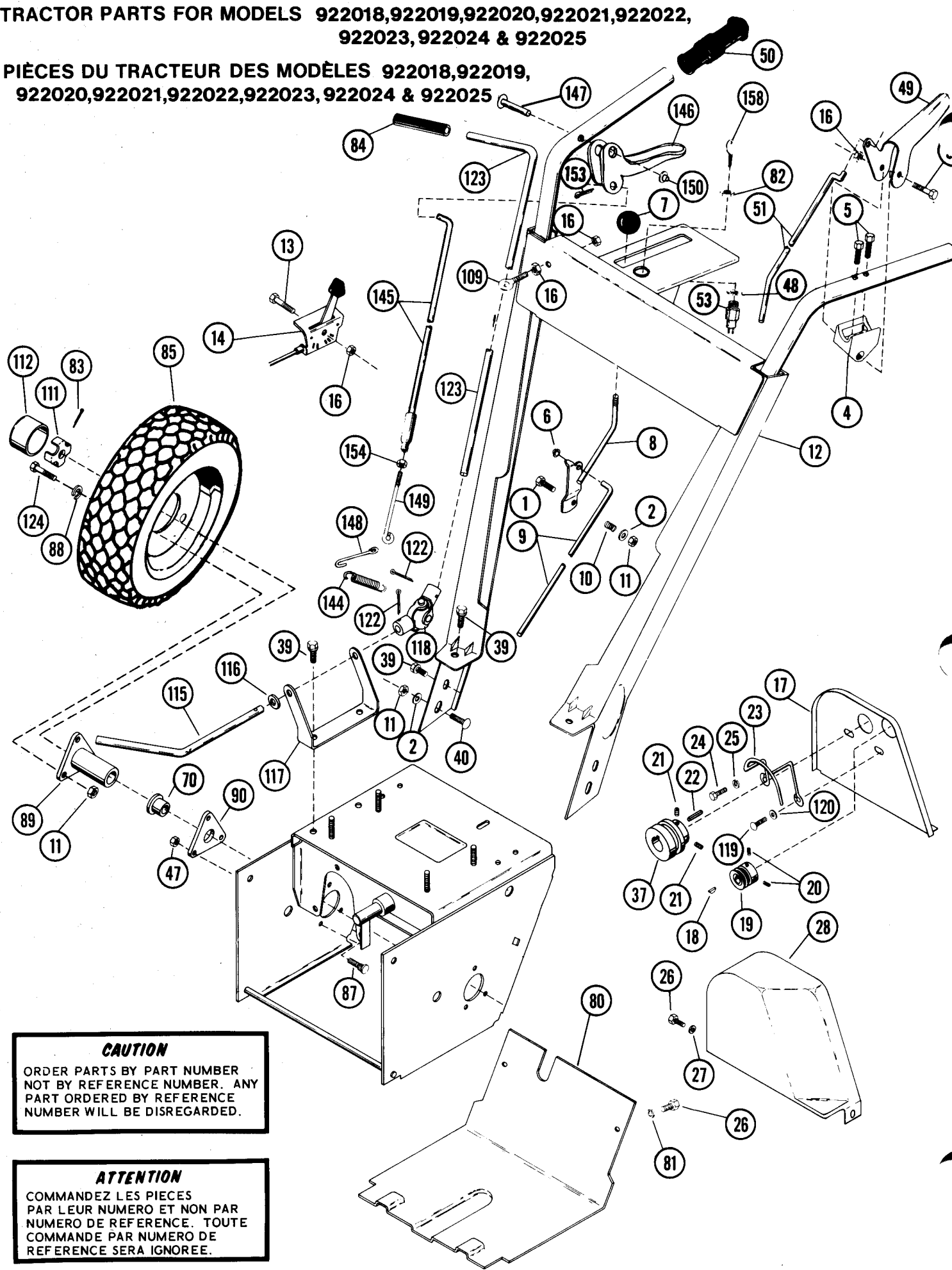
78357
(120V AC STARTER KIT ONLY)

A HIGH SPEED IMPELLER ROTATES INSIDE THIS HOUSING TO THROW THE SNOW. NEVER REACH OR PUSH ANY OBJECT INTO THE DISCHARGE CHUTE WITH THE IMPELLER ROTATING!

KEEP HANDS, FEET AND ALL FOREIGN OBJECTS OUT OF THE COLLECTOR (RAKES). REPLACE SHEAR BOLTS WITH ARIENS SHEAR BOLTS ONLY!

TRACTOR PARTS FOR MODELS 922018,922019,922020,922021,922022,
922023, 922024 & 922025

PIÈCES DU TRACTEUR DES MODÈLES 922018,922019,
922020,922021,922022,922023, 922024 & 922025



CAUTION

ORDER PARTS BY PART NUMBER
NOT BY REFERENCE NUMBER. ANY
PART ORDERED BY REFERENCE
NUMBER WILL BE DISREGARDED.

ATTENTION

COMMANDEZ LES PIÈCES
PAR LEUR NUMERO ET NON PAR
NUMERO DE REFERENCE. TOUTE
COMMANDE PAR NUMERO DE
REFERENCE SERA IGNOREE.

TRACTOR PARTS FOR MODELS
922018,922019,922020,922021,922022,922023, 922024 & 922025
PIÈCES DU TRACTEUR DES MODÈLES
922018,922019,922020,922021,922022,922023, 922024 & 922025

No DE No DE CODE REF. PIÈCE D'INV.				QUANTITÉ				No DE No DE CODE REF. PIÈCE D'INV.				QUANTITÉ			
DESCRIPTION				NO. REQ'D.				DESCRIPTION				NO. REQ'D.			
REF. PART STOCK NO. NO. CODE								REF. PART STOCK NO. NO. CODE							
				922018	922019	922020	922021					922018	922019	922020	922021
				922022	922023							922022	922023		
1	59045	M	CAP SCREW, 5/16-18 x 1½	1	1	1		83	67014	F	COTTER PIN, 1/8 x 1¼	2	2	2	
2	64007	M	WASHER, ¼" Std.	3	3	3		84	75013	M	GRIP	1	1	1	
4	22129	S	HANDLE PIVOT	1	1	1		85	71113	S	WHEEL	2			
5	74039	S	TAPPING SCREW	2	2	2		85	622004	S	TIRE AND WHEEL ASSEMBLY				
6	22028	F	FASTENER	1	1	1					Consists of:		2	2	
7	75001	S	SHIFT BALL	1	1	1		71080	S	Tire (only Carlisle turf saver tread available)	1				
8	22044	S	SHIFT HANDLE	1	1	1					Tube	1			
9	22034	S	SHIFT ROD	1	1	1		71085	M		1				
10	83090	F	SPRING 1	1	1	1		71093	S	Side Plate, Outside	1				
11	65042	F	LOCKNUT, 5/16-18	3	6	6		71095	S	Side Plate, Inside	1				
12	522014	S	HANDLE BAR W/Decals	1	1	1		59099	S	Cap Screw	3				
13	59001	M	CAP SCREW, 1/4-20 x 3/4	1	1	1		63021	S	Lockwasher	3				
14	69107	F	THROTTLE CONTROL			1		65018	F	Nut	3				
14	69108	F	THROTTLE CONTROL	1	1			87	70011	M	RIBBED NECK BOLT	6	6	6	
16	65040	F	LOCKNUT, 1/4-20	4	4	4		88	63020	F	LOCKWASHER	6			
17	22100	S	INNER BELT COVER	1	1	1		89	22084	S	WHEEL HUB		2	2	
18	66015	M	KEY, Woodruff No. 5	1	1	1		89	22018	S	WHEEL HUB	2			
19	22089	S	CAMSHAFT SHEAVE	1	1			90	12023	F	BEARING SUPPORT	2	2	2	
19	22151	S	CAMSHAFT SHEAVE			1		109	10289	M	EYE BOLT	1	1	1	
20	60014	M	SET SCREW, 1/4-20 x 1/4 Socket Head	2	2	2		111	3376	M	SPINDLE CUP	2	2	2	
21	60012	M	SETSCREW, 5/16-18 x 3/8 Socket Head	2	2	2		112	3377	M	HUB CAP	2	2	2	
22	66013	M	KEY, SAE 1035	1	1	1		115	22079	S	CLUTCH LEVER ROD	1	1	1	
23	22007	M	BELT FINGER	1	1	1		116	64052	M	WASHER	1	1	1	
24	59053	M	CAP SCREW, 5/16-24 x 3/4	1	1	1		117	22077	S	SUPPORT BRACKET	1	1	1	
25	63003	F	LOCKWASHER, 5/16 Std.	1	1	1		118	622010	M	UNIVERSAL JOINT	1	1	1	
26	59028	F	CAP SCREW, 1/4-20 x 1/2	4	4	4		119	61034	M	MACHINE SCREW	1	1	1	
27	64001	F	WASHER, 3/16 Std.	2	2	2		120	63022	M	EXT. LOCKWASHER	1	1	1	
28	22124	S	OUTER BELT COVER	1	1	1		122	67004	M	COTTER PIN	2	2	2	
37	10294	S	SHEAVE	1	1	1		123	22097	S	CLUTCH ROD	1	1	1	
39	70009	M	FLANGE WHIZLOCK SCREW, 5/16-18 x 1/2	6	6	6		124	59022	F	CAP SCREW, 5/16-18 x 3/4		6	6	
40	62009	F	CARRIAGE BOLT, 5/16-18 x 1/2	2	2	2		124	59052	M	CAP SCREW	6			
47	65056	F	LOCKNUT, 1/4-20 Flange Whizlock	6	6	6		144	83141	M	SPRING EXTENSION	1	1	1	
48	63019	F	LOCKWASHER	1	1	1		145	22165	S	UPPER ROD INTERLOCK	1	1	1	
49	522018	S	CLUTCH HANDLE	1	1	1		146	22147	S	HANDLE INTERLOCK	1	1	1	
50	75006	M	GRIP	2	2	2		147	22148	S	PIN PIVOT	1	1	1	
51	22072	S	CLUTCH ROD	1	1	1		148	22149	S	CONNECTING LINK	1	1	1	
52	59050	F	CAP SCREW, 1/4-20 x 1½	1	1	1		149	22152	M	LOWER ROD INTERLOCK	1	1	1	
53	11134	S	SWITCH	1	1	1		150	22153	M	PUSH NUT	1	1	1	
70	55039	M	FLANGE BUSHING	2	2	2		153	67003	M	PIN, COTTER	1	1	1	
80	22040	O	COVER	1	1	1		154	65032	M	NUT, Hex	1	1	1	
81	63002	F	LOCKWASHER, 1/4 Std.	2	2	2		158	13157	M	KEY, Set	1	1	1	
82	65075	S	NUT	1	1	1									

SUGGESTED PARTS STOCKING CODE

F - FAST S - SLOW
M - MEDIUM O - CUSTOMER ORDER ONLY

CODE SUGGÉRÉ D'INVENTAIRE DES PIÈCES

F - FAST (rapide) S - SLOW (lent)
M - MEDIUM (moyen) O - Commande du client seulement

NOTE: FOR DECALS SEE PAGES 2 & 3

NOTE: DÉCALQUES (voir p. 2 & 3)

**TRACTOR PARTS FOR MODELS 922018,922019,922020,922021,922022,922023,922024 & 922025
AND WIRING DIAGRAM**

PIÈCES DU TRACTEUR DES MODÈLES 922018,922019,922020,922021,922022,922023,922024 & 922025

DIAGRAMME DU FILAGE ÉLECTRIQUE

INTERLOCK COMMUTATEUR
SWITCH D'ENGRENAGE

RED ROUGE

TO KEY SWITCH
VERS
COMMUTATEUR
DE CLE

BLACK
NOIR

RED TO
GROUND ON
ENGINE
MOUNTING BOLT
ROUGE
POUR RELIER
A L'ECROU
DE MONTAGE SUR
MOTEUR

WHITE
TO ENGINE
MAGNETO
BLANC
VERS MAGNETO
DU MOTEUR

RED
OPEN
WIRE HARNESS

MODULE

RED
OPEN
YELLOW

RED ROUGE

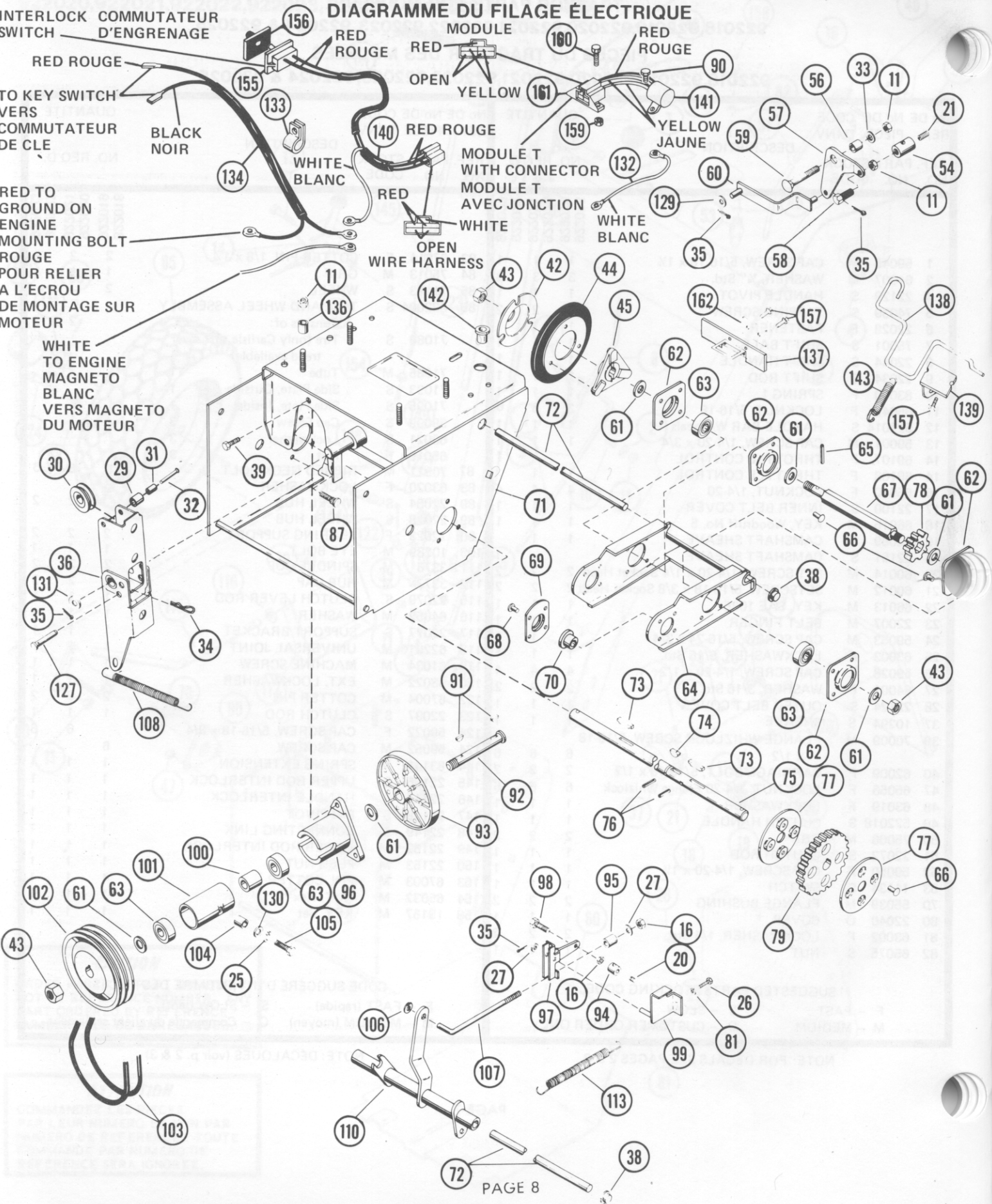
MODULE T
WITH CONNECTOR
MODULE T
AVEC JONCTION

WHITE

WHITE
BLANC

RED ROUGE

YELLOW
JAUNE



**TRACTOR PARTS FOR MODELS 922018, 922019, 922020, 922021,
922022, 922023, 922024 & 922025 AND WIRING DIAGRAM**

**PIÈCES DU TRACTEUR DES MODÈLES 922018, 922019, 922020, 922021,
922022, 922023, 922024 & 922025 DIAGRAMME DU FILAGE ÉLECTRIQUE**

No DE No DE CODE REF. PIÈCE D'INV. DESCRIPTION				QUANTITÉ					No DE No DE CODE REF. PIÈCE D'INV. DESCRIPTION				QUANTITÉ				
REF. PART STOCK NO. NO. CODE				NO. REQ'D.					REF. PART STOCK NO. NO. CODE				NO. REQ'D.				
				922018	922019	922020	922021	922023					922018	922019	922020	922021	922023
11	65042	F	LOCKNUT, 5/16-18	6	6	6			93	22005	M	DRIVE DISC	1	1	1		
16	65040	F	LOCKNUT, 1/4-20	2	2	2			94	22051	M	ROD ADAPTER	1	1	1		
20	60014	M	SETSCREW, 1/4-20 Socket Head	1	1	1			95	3279	M	SPACER	1	1	1		
21	60012	M	SETSCREW, 5/16-18 x 3/8 Socket Head	1	1	1			96	22003	S	DRIVE SPINDLE HOUSING	1	1	1		
25	63003	F	LOCKWASHER, 5/16 Std.	1	1	1			97	22143	S	DEADMAN LEVER	1	1	1		
26	59028	F	CAP SCREW, 1/4-20 x 1/2	3	3	3			98	59082	M	CAP SCREW, 1/4 - 20 x 3/4	1	1	1		
27	64001	F	WASHER, 3/16 Std.	2	2	2			99	22025	S	DEADMAN BRACKET	1	1	1		
29	55048	M	SLEEVE BUSHING	1	1	1			100	22006	S	BEARING SPACER	1	1	1		
30	22047	M	IDLER	1	1	1			101	22002	S	SPINDLE HOUSING	1	1	1		
31	22053	M	IDLER SHAFT	1	1	1			102	22048	M	DRIVE SHEAVE	1	1	1		
32	68048	M	RIVET	1	1	1			103	72074	F	BELT (matched pairs only)					2
33	64002	F	WASHER, 3/8 I.D. x 7/8 O.D. x 5/64	1	1	1			103	72023	F	BELT (matched pairs only)	2	2			
34	67020	M	HAIR PIN	1	1	1			104	3034	S	ROLLER	1	1	1		
35	67001	M	COTTER PIN, 3/32 x 3/4	4	4	4			105	59003	M	CAP SCREW, 5/16-18 x 1	1	1	1		
36	522009	S	IDLER ARM	1	1	1			106	10376	S	RACHET PLATE	1	1	1		
38	12086	M	CAP	4	4	4			107	22012	S	ADJUSTMENT LINK	1	1	1		
39	70009	M	FLANGE WHIZLOCK SCREW, 5/16-18 x 1/2	3	3	3			108	83026	F	IDLER SPRING	1	1	1		
									110	22191	O	FORK	1	1	1		
42	22196	F	RETAINER	1	1	1			113	83026	F	SPRING	1	1	1		
43	65054	M	LOCKNUT, 1/2-20	3	3	3			127	22132	S	IDLER ADJUSTMENT PIN	1	1	1		
44	22013	F	FRICTION DISC	1	1	1			129	64091	M	WASHER	1	1	1		
45	22192	F	FRICTION DISC HUB	1	1	1			130	64123	M	WASHER	1	1	1		
54	22135	M	ROD ADAPTER	1	1	1			131	64043	M	WASHER	1	1	1		
56	22029	F	BUSHING	1	1	1			132	22163	S	WIRE	1	1	1		
57	22035	S	SHIFT LEVER	1	1	1			133	69066	M	CLIP	1	1	1		
58	59022	M	CAP SCREW, 5/16-18 x 3/4	1	1	1			134	22161	M	SHORTING WIRE	1	1	1		
59	62024	F	CARRIAGE BOLT, 5/16-18 x 2	1	1	1			136	10262	O	SPACER					4
60	22155	S	SHIFT LINK	1	1	1			137	22138	S	SWITCH BRACKET	1	1	1		
61	64058	M	WASHER, 1" O.D.	6	6	6			138	22139	M	ACTIVATOR SWITCH	1	1	1		
62	3031	M	BEARING RETAINER	4	4	4			139	22140	S	RETAINER ROD	2	2	2		
63	54080	M	BALL BEARING	4	4	4			140	22167	S	WIRING HARNESS	1	1	1		
64	22158	S	CARRIER	1	1	1			141	524010	M	MODULE T WITH CONNECTOR	1	1	1		
65	58016	M	ROLL PIN, 3/16 x 1	1	1	1			142	75050	M	SNAP BUSHING	1	1	1		
66	68025	F	POP RIVET	12	12	12			143	83163	M	SPRING EXTENSION	1	1	1		
67	22010	S	HEX SHAFT	1	1	1			155	25172	F	SWITCH, Interlock	1	1	1		
68	68031	F	POP RIVET	8	8	8			156	75045	M	SWITCH, Boot	1	1	1		
69	22015	S	BEARING RETAINER	2	2	2			157	74054	M	TAPTITE	6	6	6		
70	55039	M	FLANGE BUSHING	2	2	2			159	65041	M	NUT, Hex	2	2	2		
71	22136	O	TRACTOR FRAME	1	1	1			160	59097	M	CAP SCREW	2	2	2		
72	22009	S	SHAFT	2	2	2			161	25203	M	CONNECTOR	1	1	1		
73	66011	M	KEY, 3/16 x 3/16 x 1 1/4	2	2	2			162	22162	S	MOUNTING PLATE	1	1	1		
74	66012	M	KEY, No. 91 Woodruff	1	1	1			163	70015		FLANGE WHIZLOCK SCREW	1	1	1		
75	22017	S	AXLE SHAFT	1	1	1											
76	58009	M	ROLL PIN, 1/8 x 1	2	2	2						4 H.P. Engine (Tecumseh HSSK-40 55440E or Replacement)				4 H.P. only	
77	22054	S	RETAINER PLATE	2	2	2						5 H.P. Engine (Tecumseh HSSK-50 67008B or Replacement)				5 H.P. only	
78	22011	M	PINION	1	1	1						6 H.P. Engine (Tecumseh HSK60 75376M or Replacement)				6 H.P. only	
79	10211	S	SPUR GEAR	1	1	1											
81	63002	F	LOCKWASHER, 1/4 Std.	3	3	3											
90	70015	M	FLANGE WHIZLOCK SCREW	1	1	1											
91	66006	M	KEY, Woodruff No. 3	2	2	2											
92	22004	S	SPINDLE	1	1	1											

NOTE: DECALS SEE PAGE 2 & 3.
NOTE: DÉCALQUES (voir p. 2 & 3)

SUGGESTED PARTS STOCKING CODE

F - FAST S - SLOW
M - MEDIUM O - CUSTOMER ORDER ONLY

CODE SUGGÉRÉ D'INVENTAIRE DES PIÈCES

F - FAST (rapide) S - SLOW (lent)
M - MEDIUM (moyen) O - Commande du client seulement

SNO-THRO PARTS LIST FOR MODELS 922018, 922020, 922022, 922024 & 922025

SOUFFLEURS SNO-THRO MODELES 922018, 922020, 922022, 922024 & 922025

CAUTION

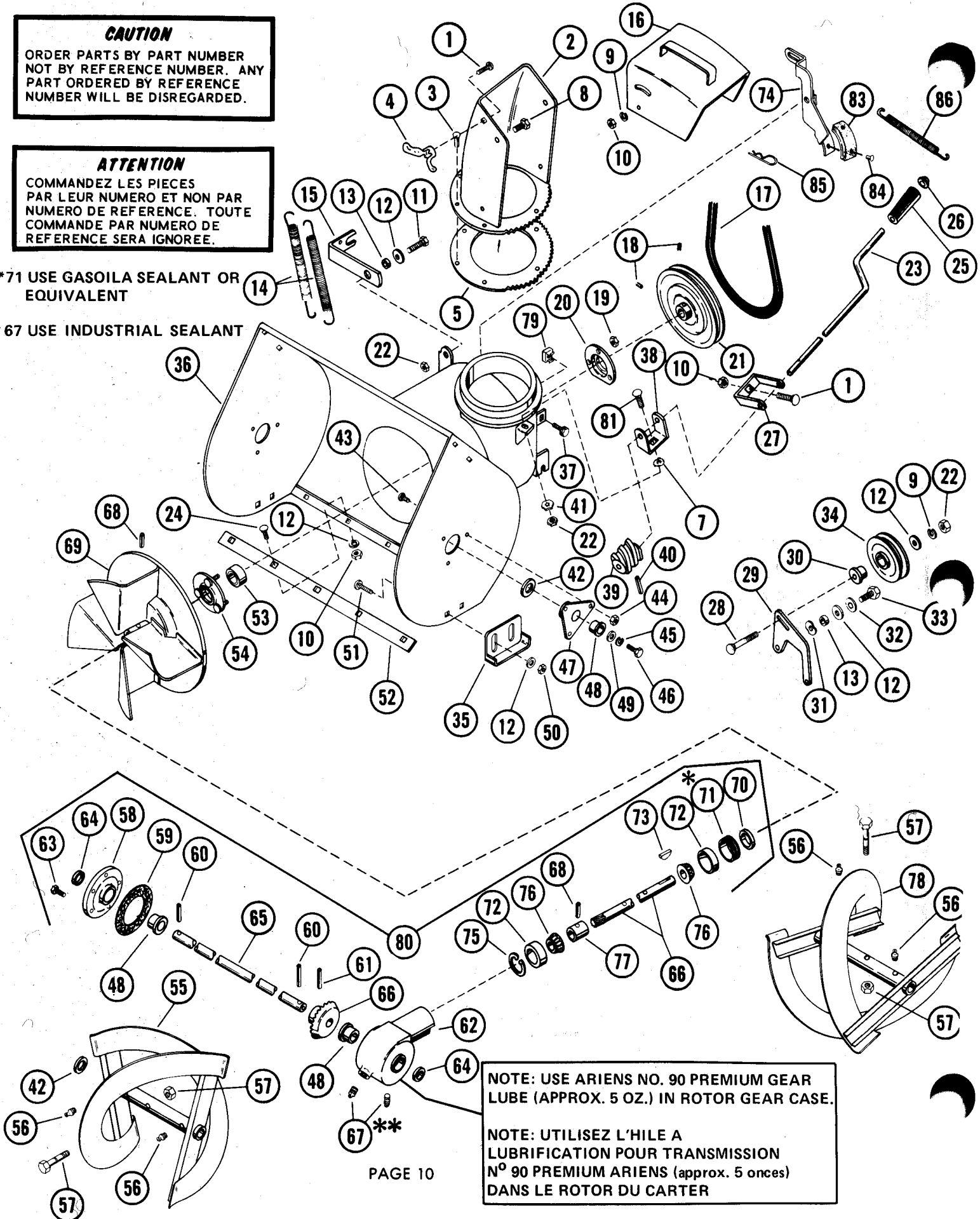
ORDER PARTS BY PART NUMBER
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PART ORDERED BY REFERENCE
NUMBER WILL BE DISREGARDED.

ATTENTION

COMMANDEZ LES PIECES
PAR LEUR NUMERO ET NON PAR
NUMERO DE REFERENCE. TOUTE
COMMANDE PAR NUMERO DE
REFERENCE SERA IGNOREE.

*71 USE GASOILA SEALANT OR
EQUIVALENT

** 67 USE INDUSTRIAL SEALANT



SNO-THRO PARTS LIST FOR MODELS 922018, 922020, 922022, 922024 & 922025

SOUFFLEURS SNO-THRO MODELES 922018, 922020, 922022, 922024 & 922025

No DE REF.	No DE PIÈCE	CODE D'INV.	DESCRIPTION	QUANTITÉ 922024 QTY.	QUANTITÉ 922020 QTY.	QUANTITÉ 922018 QTY.	QUANTITÉ 922025 QTY.	QUANTITÉ 922022 QTY.
No DE REF.	No DE PIÈCE	CODE D'INV.	DESCRIPTION	QUANTITÉ 922024 QTY.	QUANTITÉ 922020 QTY.	QUANTITÉ 922018 QTY.	QUANTITÉ 922025 QTY.	QUANTITÉ 922022 QTY.
1	62009	F	Carriage Bolt 5/16-18 x 1/2	2	2			
2	22159	S	Discharge Chute	1	1			
3	74034	M	Tapping Screw	6	6			
4	11012	M	Wing Nut	1	1			
5	22160	M	Lower Collar Gear	1	1			
7	63032	M	Lockwasher	1	1			
8	59039	F	Cap Screw 5/16-18 x 1/2	2	2			
9	63003	F	Lockwasher 5/16 Std.	3	3			
10	65042	F	Locknut 5/16-18	8	8			
11	59022	F	Cap Screw 5/16-18 x 3/4	1	1			
12	64002	F	Washer 5/16 Std.	12	12			
13	6071	M	Spacer	2	2			
14	83004	F	Spring	2	2			
15	22175	S	Clutch Lever	1	1			
16	522006	S	Deflector	1	1			
17	72056	F	Belt	1	1			
18	60012	M	Setscrew 5/16-18 x 3/8	2	2			
19	65040	F	Locknut 1/4-20	3	3			
20	10142	M	Bearing Flange	1	1			
21	73071	M	Sheave	1	1			
22	65015	F	Nut 5/16-18	3	3			
23	22081	S	Control Crank	1	1			
24	62026	F	Carriage Bolt 5/16-18 x 5/8	5	5			
25	75039	S	Grip	1	1			
26	10198	M	Cap	1	1			
27	522017	S	Bracket, w/decal	1	1			
28	62022	F	Carriage Bolt 5/16-18 x 1-3/8	1	1			
29	10389	S	Idler Arm	1	1			
30	12131	M	Bearing Spacer	1	1			
31	3254	S	Wave Washer	1	1			
32	63018	M	Internal Lockwasher	1	1			
33	59002	M	Cap Screw 5/16-18 x 5/8	1	1			
34	12132	M	Idler	1	1			
35	10165	F	Runner	2	2			
36	522015	O	Blower Housing 20"	1				
36	522016	O	Blower Housing 24"		1			
37	70031	M	Flange Whizlock Screw 3/8-16 x 3/4	2	2			
38	22123	M	Worm Clevis	1	1			
39	22110	M	Worm Gear	1	1			
40	58034	M	Roll Pin 1/8 x 3/4	1	1			
41	63023	M	Lockwasher	1	1			
42	64046	M	Washer 1.005 I.D. x 1.505 O.D. x 1/16	2	2			
43	70011	M	Ribbed Neck Bolt 1/4-20 x 5/8	6	6			
44	65056	F	Locknut 1/4-20 Flange Whizlock	6	6			
45	63006	F	Lockwasher 1/2 Std.	2	2			
46	59024	S	Cap Screw 1/2-13 x 1	2	2			
47	10184	M	Bearing Support			2	2	
48	55035	M	Flange Bushing			4	4	
49	64047	M	Washer .511 I.D. x 1.441 O.D. x 1/8			2	2	
50	65039	F	Locknut 3/8-16			4	4	
51	62010	F	Carriage Bolt 3/8-16 x 3/4			4	4	
52	22107	F	Scraper Blade 20"			1		
52	22096	F	Scraper Blade 24"					1
53	54063	M	Ball Bearing			1	1	
54	3017	F	Bearing Flange			1	1	
55	522002	S	R.H. Rake 20"			1		
55	522004	S	R.H. Rake 24"					1
56	22093	F	Zerk Fitting			4	4	
57	510015	F	Shear Bolt			2	2	
58	10181	S	Flange			1	1	
59	10108	S	Gasket			1	1	
60	58030	M	Roll Pin 3/16 x 1-1/2			2	2	
61	58022	M	Roll Pin 5/16 x 1-3/8			1	1	
62	10180	S	Gear Case			1	1	
63	70012	M	Flange Whizlock Screw 1/4-20 x 3/4			5	5	
64	56061	F	Seal			2	2	
65	22102	S	Front Gear Shaft 20"			1		
65	10299	S	Front Gear Shaft 24"					1
66	522010	M	Helicon Gear			1	1	
67	1138	M	Pipe Plug			2	2	
68	58007	M	Roll Pin 1/4 x 1-1/4			3	3	
69	22104	O	Fan			1	1	
70	56062	F	Seal			1	1	
71	10371	S	Adjustment Plug			1	1	
72	54044	M	Bearing Cup			2	2	
73	66003	F	Key No. 9 Woodruff			1	1	
74	622029	S	Brake w/Lining			1	1	
75	57032	S	Snap Ring			1	1	
76	54045	M	Bearing Cone			2	2	
77	10107	S	Bearing Spacer			1	1	
78	522003	S	L.H. Rake 20"			1		
78	522005	S	L.H. Rake 24"					1
79	70026	M	Nut Retainer			2	2	
80	522001	S	Gear Case Assembly 20"			1		
80	522008	S	Gear Case Assembly 24"					1
81	62011	M	Carriage Bolt 5/16-18 x 3/4			1	1	
83	22178	M	Lining			1	1	
84	68062	M	Rivet			2	2	
85	67020	M	Hair Pin			1	1	
86	83164	M	Spring			1	1	

SUGGESTED PARTS STOCKING CODE

F — FAST S — SLOW
M — MEDIUM O — CUSTOMER ORDER ONLY

NOTE: DECALS SEE PAGE 2 & 3.

CODE SUGGÉRÉ D'INVENTAIRE DES PIÈCES

F — FAST (rapide) S — SLOW (lent)
M — MEDIUM (moyen) O — Commande du client seulement

NOTE: DÉCALQUES (voir p. 2 & 3)

SNO-THRO PARTS LIST FOR MODELS 922018, 922020, 922022, 922024 & 922025

SOUFFLEURS SNO-THRO MODELES 922018, 922020, 922022, 922024 & 922025

No DE REF.	No DE PIÉCE	CODE D'INV.	DESCRIPTION	QUANTITÉ 922024 922020 922018 922025 922022
REF. PART STOCK NO. NO. CODE				QTY. QTY.
1	62009	F	Carriage Bolt 5/16-18 x 1/2	2 2
2	22159	S	Discharge Chute	1 1
3	74034	M	Tapping Screw	6 6
4	11012	M	Wing Nut	1 1
5	22160	M	Lower Collar Gear	1 1
7	63032	M	Lockwasher	1 1
8	59039	F	Cap Screw 5/16-18 x 1/2	2 2
9	63003	F	Lockwasher 5/16 Std.	3 3
10	65042	F	Locknut 5/16-18	8 8
11	59022	F	Cap Screw 5/16-18 x 3/4	1 1
12	64002	F	Washer 5/16 Std.	12 12
13	6071	M	Spacer	2 2
14	83004	F	Spring	2 2
15	22175	S	Clutch Lever	1 1
16	522006	S	Deflector	1 1
17	72056	F	Belt	1 1
18	60012	M	Setscrew 5/16-18 x 3/8	2 2
19	65040	F	Locknut 1/4-20	3 3
20	10142	M	Bearing Flange	1 1
21	73071	M	Sheave	1 1
22	65015	F	Nut 5/16-18	3 3
23	22081	S	Control Crank	1 1
24	62026	F	Carriage Bolt 5/16-18 x 5/8	5 5
25	75039	S	Grip	1 1
26	10198	M	Cap	1 1
27	522017	S	Bracket, w/decal	1 1
28	62022	F	Carriage Bolt 5/16-18 x 1-3/8	1 1
29	10389	S	Idler Arm	1 1
30	12131	M	Bearing Spacer	1 1
31	3254	S	Wave Washer	1 1
32	63018	M	Internal Lockwasher	1 1
33	59002	M	Cap Screw 5/16-18 x 5/8	1 1
34	12132	M	Idler	1 1
35	10165	F	Runner	2 2
36	522015	O	Blower Housing 20"	1 1
37	522016	O	Blower Housing 24"	1 1
38	70031	M	Flange Whizlock Screw 3/8-16 x 3/4	2 2
39	22123	M	Worm Clevis	1 1
40	22110	M	Worm Gear	1 1
41	58034	M	Roll Pin 1/8 x 3/4	1 1
42	63023	M	Lockwasher	1 1
43	64046	M	Washer 1.005 I.D. x 1.505 O.D. x 1/16	2 2
44	70011	M	Ribbed Neck Bolt 1/4-20 x 5/8	6 6
45	65056	F	Locknut 1/4-20 Flange Whizlock	6 6
46	63006	F	Lockwasher 1/2 Std.	2 2
46	59024	S	Cap Screw 1/2-13 x 1	2 2

SUGGESTED PARTS STOCKING CODE

F - FAST S - SLOW
M - MEDIUM O - CUSTOMER ORDER ONLY

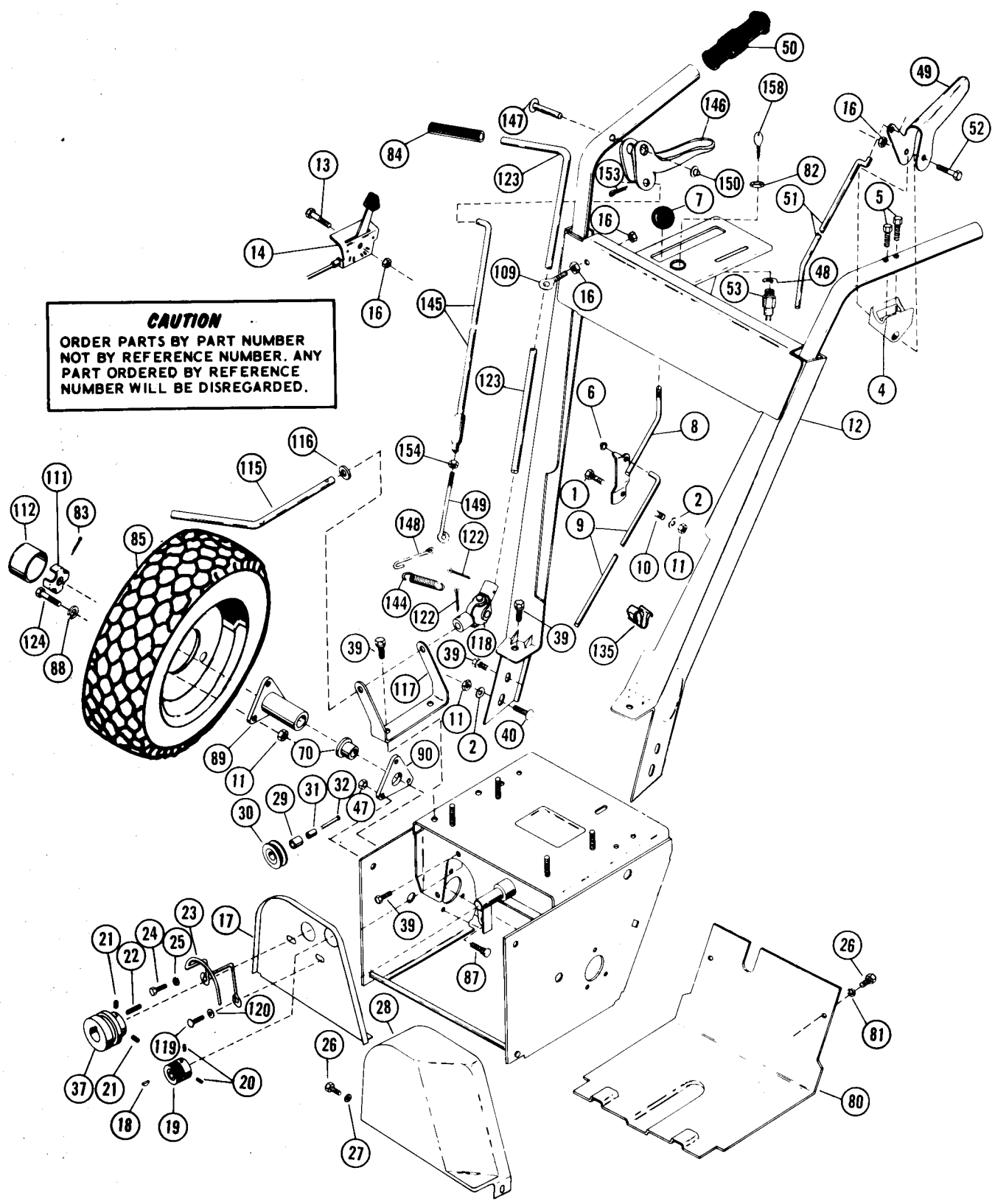
NOTE: DECALS SEE PAGE 2 & 3.

No DE REF.	No DE PIÉCE	CODE D'INV.	DESCRIPTION	QUANTITÉ 922024 922020 922018 922025 922022
REF. PART STOCK NO. NO. CODE				QTY. QTY.
47	10184	M	Bearing Support	2 2
48	55035	M	Flange Bushing	4 4
49	64047	M	Washer .511 I.D. x 1.441 O.D. x 1/8	2 2
50	65039	F	Locknut 3/8-16	4 4
51	62010	F	Carriage Bolt 3/8-16 x 3/4	4 4
52	22107	F	Scraper Blade 20"	1 1
52	22096	F	Scraper Blade 24"	1 1
53	54063	M	Ball Bearing	1 1
54	3017	F	Bearing Flange	1 1
55	522002	S	R.H. Rake 20"	1 1
55	522004	S	R.H. Rake 24"	1 1
56	22093	F	Zerk Fitting	4 4
57	510015	F	Shear Bolt	2 2
58	10181	S	Flange	1 1
59	10108	S	Gasket	1 1
60	58030	M	Roll Pin 3/16 x 1-1/2	2 2
61	58022	M	Roll Pin 5/16 x 1-3/8	1 1
62	10180	S	Gear Case	1 1
63	70012	M	Flange Whizlock Screw 1/4-20 x 3/4	5 5
64	56061	F	Seal	2 2
65	22102	S	Front Gear Shaft 20"	1 1
65	10299	S	Front Gear Shaft 24"	1 1
66	522010	M	Helicon Gear	1 1
67	1138	M	Pipe Plug	2 2
68	58007	M	Roll Pin 1/4 x 1-1/4	3 3
69	22104	O	Fan	1 1
70	56062	F	Seal	1 1
71	10371	S	Adjustment Plug	1 1
72	54044	M	Bearing Cup	2 2
73	66003	F	Key No. 9 Woodruff	1 1
74	622029	S	Brake w/Lining	1 1
75	57032	S	Snap Ring	1 1
76	54045	M	Bearing Cone	2 2
77	10107	S	Bearing Spacer	1 1
78	522003	S	L.H. Rake 20"	1 1
78	522005	S	L.H. Rake 24"	1 1
79	70026	M	Nut Retainer	2 2
80	522001	S	Gear Case Assembly 20"	1 1
80	522008	S	Gear Case Assembly 24"	1 1
81	62011	M	Carriage Bolt 5/16-18 x 3/4	1 1
83	22178	M	Lining	1 1
84	68062	M	Rivet	2 2
85	67020	M	Hair Pin	1 1
86	83164	M	Spring	1 1

CODE SUGGÉRÉ D'INVENTAIRE DES PIÈCES

F - FAST (rapide) S - SLOW (lent)
M - MEDIUM (moyen) O - Commande du client seulement

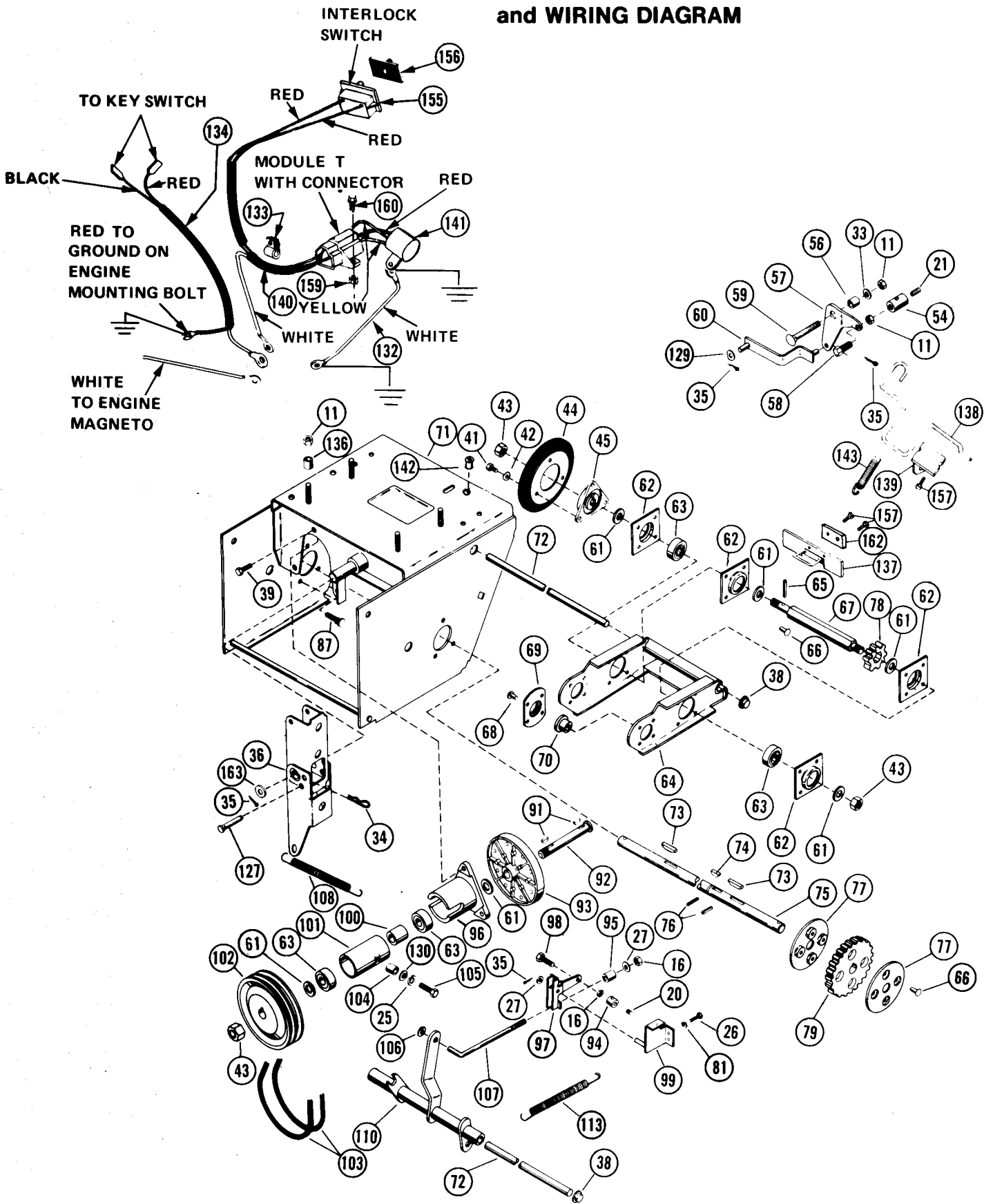
NOTE: DÉCALQUES (voir p. 2 & 3)



TRACTOR PARTS MODELS 922018,922019,922020,922021,922022,922023,922024 & 922025

REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D					REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D				
				922018	922019	922020	922021	922022					922018	922019	922020	922021	922022
1	59045	M	Cap Screw 5/16-18 x 1 1/2	1	1	1			87	70011	M	Ribbed Neck Bolt	6	6	6		
2	64007	M	Washer 1/4" Std.	3	3	3			88	63020	F	Lockwasher	6				
4	22129	S	Handle Pivot	1	1	1			89	22084	S	Wheel Hub			2	2	
5	74039	S	Tapping Screw	2	2	2			89	22018	S	Wheel Hub	2				
6	22028	F	Fastener	1	1	1			90	12023	F	Bearing Support	2	2	2		
7	75001	S	Shift Ball	1	1	1			91	66006	M	Key No. 3 Woodruff	2	2	2		
8	22044	S	Shift Handle	1	1	1			92	22004	S	Spindle	1	1	1		
9	22034	S	Shift Rod	1	1	1			93	22005	M	Drive Disc	1	1	1		
10	83090	F	Spring	1	1	1			94	22051	M	Rod Adapter	1	1	1		
11	65042	F	Locknut 5/16-18	9	15	15			95	3279	M	Spacer	1	1	1		
12	522014	S	Handle Bar w/decals	1	1	1			96	22003	S	Drive Spindle Housing	1	1	1		
13	59001	M	Cap Screw 1/4-20 x 3/4	1	1	1			97	22143	S	Deadman Lever	1	1	1		
14	69107	F	Throttle Control				1	1	98	59082	M	Cap Screw 1/4-20 x 3/4	1	1	1		
14	69108	F	Throttle Control	1	1				99	22025	S	Deadman Bracket	1	1	1		
16	65040	F	Locknut 1/4-20	6	6	6			100	22006	S	Bearing Spacer	1	1	1		
17	22100	S	Inner Belt Cover	1	1	1			101	22002	S	Spindle Housing	1	1	1		
18	66015	M	Key No. 5 Woodruff	1	1				102	22048	M	Drive Sheave	1	1	1		
19	22089	S	Camshaft Sheave	1	1				103	72074	F	Belt (Matched pairs only)				2	2
19	22151	S	Camshaft Sheave				1	1	103	72023	F	Belt (Matched pairs only)	2		2		
20	60014	M	Setscrew 1/4-20 x 1/4 Socket Head	3	3	3			104	3034	S	Roller	1	1	1		
21	60012	M	Setscrew 5/16-18 x 3/8 Socket Head	3	3	3			105	59003	M	Cap Screw 5/16-18 x 1	1	1	1		
22	66013	M	Key SAE 1035	1	1	1			106	10376	S	Ratchet Plate	1	1	1		
23	22007	M	Belt Finger	1	1	1			107	22012	S	Adjustment Link	1	1	1		
24	59053	M	Cap Screw 5/16-24 x 3/4	1	1	1			108	83026	F	Idle Spring	1	1	1		
25	63003	F	Lockwasher 5/16 Std.	2	2	2			109	10289	S	Eye Bolt	1	1	1		
26	59028	F	Cap Screw 1/4-20 x 1/2	7	7	7			110	22157	O	Fork	1	1	1		
27	64001	F	Washer 3/16 Std.	4	4	4			111	3376	M	Spindle Cup	2	2	2		
28	22124	S	Outer Belt Cover	1	1	1			112	3377	M	Hub Cap	2	2	2		
29	55048	M	Sleeve Bushing	1	1	1			113	83004	F	Spring	1	1	1		
30	22047	M	Idler	1	1	1			115	22079	S	Clutch Lever Rod	1	1	1		
31	22053	M	Idler Shaft	1	1	1			116	64052	M	Washer	1	1	1		
32	68048	M	Rivet	1	1	1			117	22077	S	Support Bracket	1	1	1		
33	64062	F	Washer 3/8 I.D. x 7/8 O.D. x 5/64	2	2	2			118	622010	M	Universal Joint	1	1	1		
34	67020	M	Hair Pin	1	1	1			119	61034	M	Machine Screw	1	1	1		
35	67001	M	Cotter Pin 3/32 x 3/4	4	4	4			120	63022	M	Ext. Lockwasher	1	1	1		
36	522009	S	Idler Arm	1	1	1			122	67004	M	Cotter Pin	2	2	2		
37	10294	S	Sheave	1	1	1			123	22097	S	Clutch Rod	1	1	1		
38	12086	M	Cap	4	4	4			124	59022	F	Cap Screw 5/16-18 x 3/4			6	6	6
39	70009	M	Flange Whizlock Screw 5/16-18 x 1/2	9	9	9			124	59052	M	Cap Screw	6				
40	62009	F	Carriage Bolt 5/16-18 x 1/2	2	2	2			127	22132	S	Idler Adjustment Pin	1	1	1		
41	59104	F	Cap Screw 1/4-20 x 3/8	3	3	3			129	64091	M	Washer	1	1	1		
42	63017	F	Lockwasher External	3	3	3			130	64123	M	Washer	1	1	1		
43	65054	M	Locknut 1/2-20	3	3	3			131	64043	M	Washer	1	1	1		
44	22013	F	Friction Disc	1	1	1			132	22163	S	Wire	1	1	1		
45	22014	F	Friction Disc Hub	1	1	1			133	69066	M	Clip	1	1	1		
47	65056	F	Locknut 1/4-20 Flange Whizlock	6	6	6			134	22161	M	Shorting Wire	1	1	1		
48	63019	F	Lockwasher	1	1	1			135	69109	M	Clip	1	1	1		
49	522018	S	Clutch Handle	1	1	1			136	10262	O	Spacer				4	4
50	75006	M	Grip	2	2	2			137	22138	S	Switch Bracket	1	1	1		
51	22072	S	Clutch Rod	1	1	1			138	22139	M	Activator Switch	1	1	1		
52	59062	F	Cap Screw 1/4-20 x 1-3/4	1	1	1			139	22140	S	Retainer Rod	2	2	2		
53	11134	S	Switch	1	1	1			140	22167	S	Wiring Harness	1	1	1		
54	22135	M	Rod Adapter	1	1	1			141	524010	M	Module T with Connector	1	1	1		
56	22029	F	Bushing	1	1	1			142	75050	M	Snap Bushing	1	1	1		
57	22035	S	Shift Lever	1	1	1			143	83163	M	Spring Extension	1	1	1		
58	59022	M	Cap Screw 5/16-18 x 3/4	1	1	1			144	83141	M	Spring Extension	1	1	1		
59	62024	F	Carriage Bolt 5/16-18 x 2	1	1	1			145	22165	S	Upper rod Interlock	1	1	1		
60	22155	S	Shift Link	1	1	1			146	22147	S	Handle Interlock	1	1	1		
61	64058	M	Washer 1" O. D.	6	6	6			147	22148	S	Pin Pivot	1	1	1		
62	22042	M	Bearing Retainer	4	4	4			148	22149	S	Connecting Link	1	1	1		
63	54080	M	Ball Bearing	4	4	4			149	22152	M	Lower Rod Interlock	1	1	1		
64	22158	S	Carrier	1	1	1			150	22153	M	Push Nut	1	1	1		
65	58016	M	Roll Pin 3/16 x 1	1	1	1			153	67003	M	Pin, Cotter	1	1	1		
66	68025	F	Pop Rivet	12	12	12			154	65032	M	Nut, Hex	1	1	1		
67	22010	S	Hex Shaft	1	1	1			155	25172	F	Switch, Interlock	1	1	1		
68	68031	F	Pop Rivet	8	8	8			156	75045	M	Switch, Boot	1	1	1		
69	22015	S	Bearing Retainer	2	2	2			157	74054	M	Taprite	6	6	6		
70	55039	M	Flange Bushing	4	4	4			158	13157	M	Key - Set	1	1	1		
71	22136	O	Tractor Frame	1	1	1			159	65041	M	Nut, Hex	2	2	2		
72	22009	S	Shaft	2	2	2			160	59097	M	Cap Screw	2	2	2		
73	66011	M	Key 3/16 x 3/16 x 1-1/4	2	2	2			161	25203	M	Connector	1	1	1		
74	66012	S	Key No. 91 Woodruff	1	1	1			162	22162	S	Mounting Plate	1	1	1		
75	22017	S	Axle Shaft	1	1	1			4 H.P. Engine (Tecumseh HSSK-40 55440D or Replacement) 4 H.P. only								
76	58009	M	Roll Pin 1/8 x 1	2	2	2			5 H.P. Engine (Tecumseh HSSK-50 67008A or Replacement) 5 H.P. only								
77	22054	S	Retainer Plate	2	2	2			6 H.P. Engine (Tecumseh HSK60 75376L or Replacement) 6 H.P. only								
78	22011	M	Pinion	1	1	1			NOTE: DECALS - see decal illustration page								
79	10211	S	Spur Gear	1	1	1											
80	22040	O	Cover	1	1	1											
81	63002	F	Lockwasher 1/4 Std.	5	5	5											
82	65075	S	Nut	1	1	1											
83	67014	F	Cotter Pin 1/8 x 1 1/4	2	2	2											
84	75013	M	Grip	1	1	1											
85	71113	S	Wheel	2													
85	622004	S	Tire and Wheel Assembly Consists of		2	2											
	71080	S	Tire (Only Carlisle turf saver tread available)		1												
	71085	M	Tube	1													
	71093	S	Side Plate, Outside	1													
	71095	S	Side Plate, Inside	1													
	59099	S	Cap Screw	3													
	63021	S	Lockwasher	3													
	65018	F	Nut	3													

and WIRING DIAGRAM



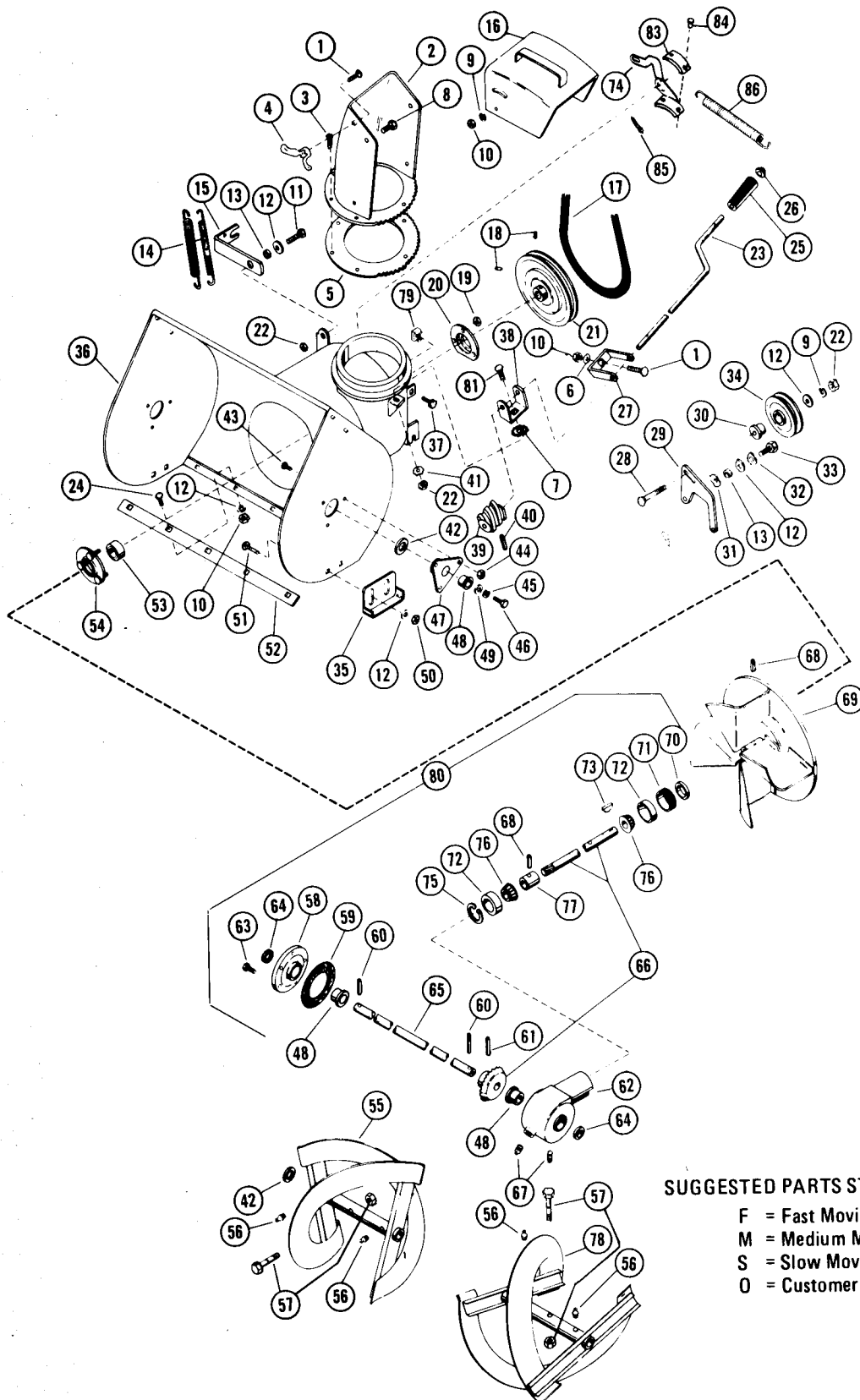
TRACTOR PARTS MODELS 922018,922019,922020,922021,922022,922023,922024 & 922025

REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D					REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D				
				922018	922019	922020	922021	922022					922018	922019	922020	922021	922022
1	59045	M	Cap Screw 5/16-18 x 1 1/2	1	1	1			87	70011	M	Ribbed Neck Bolt	6	6	6		
2	64007	M	Washer 1/4" Std.	3	3	3			88	63020	F	Lockwasher	6				
4	22129	S	Handle Pivot	1	1	1			89	22084	S	Wheel Hub			2	2	
5	74039	S	Tapping Screw	2	2	2			89	22018	S	Wheel Hub	2				
6	22028	F	Fastener	1	1	1			90	12023	F	Bearing Support	2	2	2		
7	75001	S	Shift Ball	1	1	1			91	66006	M	Key No. 3 Woodruff	2	2	2		
8	22044	S	Shift Handle	1	1	1			92	22004	S	Spindle	1	1	1		
9	22034	S	Shift Rod	1	1	1			93	22005	M	Drive Disc	1	1	1		
10	83090	F	Spring	1	1	1			94	22051	M	Rod Adapter	1	1	1		
11	65042	F	Locknut 5/16-18	9	15	15			95	3279	M	Spacer	1	1	1		
12	522014	S	Handle Bar w/decals	1	1	1			96	22003	S	Drive Spindle Housing	1	1	1		
13	59001	M	Cap Screw 1/4-20 x 3/4	1	1	1			97	22143	S	Deadman Lever	1	1	1		
14	69107	F	Throttle Control	1	1	1			98	59082	M	Cap Screw 1/4-20 x 3/4	1	1	1		
14	69108	F	Throttle Control	1	1	1			99	22025	S	Deadman Bracket	1	1	1		
16	65040	F	Locknut 1/4-20	6	6	6			100	22006	S	Bearing Spacer	1	1	1		
17	22100	S	Inner Belt Cover	1	1	1			101	22002	S	Spindle Housing	1	1	1		
18	66015	M	Key No. 5 Woodruff	1	1	1			102	22048	M	Drive Sheave	1	1	1		
19	22089	S	Camshaft Sheave	1	1	1			103	72074	F	Belt (Matched pairs only)	1	1	1		
19	22151	S	Camshaft Sheave	1	1	1			103	72023	F	Belt (Matched pairs only)	2	2	2		
20	60014	M	Setscrew 1/4-20 x 1/4 Socket Head	3	3	3			104	3034	S	Roller	1	1	1		
21	60012	M	Setscrew 5/16-18 x 3/8 Socket Head	3	3	3			105	59003	M	Cap Screw 5/16-18 x 1	1	1	1		
22	66013	M	Key SAE 1035	1	1	1			106	10376	S	Ratchet Plate	1	1	1		
23	22007	M	Belt Finger	1	1	1			107	22012	S	Adjustment Link	1	1	1		
24	59053	M	Cap Screw 5/16-24 x 3/4	1	1	1			108	83026	F	Idle Spring	1	1	1		
25	63003	F	Lockwasher 5/16 Std.	2	2	2			109	10289	S	Eye Bolt	1	1	1		
26	59028	F	Cap Screw 1/4-20 x 1/2	7	7	7			110	22157	O	Fork	1	1	1		
27	64001	F	Washer 3/16 Std.	4	4	4			111	3376	M	Spindle Cup	2	2	2		
28	22124	S	Outer Belt Cover	1	1	1			112	3377	M	Hub Cap	2	2	2		
29	55048	M	Sleeve Bushing	1	1	1			113	83004	F	Spring	1	1	1		
30	22047	M	Idler	1	1	1			115	22079	S	Clutch Lever Rod	1	1	1		
31	22053	M	Idler Shaft	1	1	1			116	64052	M	Washer	1	1	1		
32	68048	M	Rivet	1	1	1			117	22077	S	Support Bracket	1	1	1		
33	64062	F	Washer 3/8 I.D. x 7/8 O.D. x 5/64	2	2	2			118	622010	M	Universal Joint	1	1	1		
34	67020	M	Hair Pin	1	1	1			119	61034	M	Machine Screw	1	1	1		
35	67001	M	Cotter Pin 3/32 x 3/4	4	4	4			120	63022	M	Ext. Lockwasher	1	1	1		
36	522009	S	Idler Arm	1	1	1			122	67004	M	Cotter Pin	2	2	2		
37	10294	S	Sheave	1	1	1			123	22097	S	Clutch Rod	1	1	1		
38	12086	M	Cap	4	4	4			124	59022	F	Cap Screw 5/16-18 x 3/4	6	6	6		
39	70009	M	Flange Whizlock Screw 5/16-18 x 1/2	9	9	9			124	59052	M	Cap Screw	6				
40	62009	F	Carriage Bolt 5/16-18 x 1/2	2	2	2			127	22132	S	Idler Adjustment Pin	1	1	1		
41	59104	F	Cap Screw 1/4-20 x 3/8	3	3	3			129	64091	M	Washer	1	1	1		
42	63017	F	Lockwasher External	3	3	3			130	64123	M	Washer	1	1	1		
43	65054	M	Locknut 1/2-20	3	3	3			131	64043	M	Washer	1	1	1		
44	22013	F	Friction Disc	1	1	1			132	22163	S	Wire	1	1	1		
45	22014	F	Friction Disc Hub	1	1	1			133	69066	S	Clip	1	1	1		
47	65056	F	Locknut 1/4-20 Flange Whizlock	6	6	6			134	22161	M	Shorting Wire	1	1	1		
48	63019	F	Lockwasher	1	1	1			135	69109	M	Clip	1	1	1		
49	522018	S	Clutch Handle	1	1	1			136	10262	O	Spacer				4	
50	75006	M	Grip	2	2	2			137	22138	S	Switch Bracket	1	1	1		
51	22072	S	Clutch Rod	1	1	1			138	22139	M	Activator Switch	1	1	1		
52	59062	F	Cap Screw 1/4-20 x 1-3/4	1	1	1			139	22140	S	Retainer Rod	2	2	2		
53	11134	S	Switch	1	1	1			140	22167	S	Wiring Harness	1	1	1		
54	22135	M	Rod Adapter	1	1	1			141	524010	M	Module T with Connector	1	1	1		
56	22029	F	Bushing	1	1	1			142	75050	M	Snap Bushing	1	1	1		
57	22035	S	Shift Lever	1	1	1			143	83163	M	Spring Extension	1	1	1		
58	59022	M	Cap Screw 5/16-18 x 3/4	1	1	1			144	83141	M	Spring Extension	1	1	1		
59	62024	F	Carriage Bolt 5/16-18 x 2	1	1	1			145	22165	S	Upper rod Interlock	1	1	1		
60	22155	S	Shift Link	1	1	1			146	22147	S	Handle Interlock	1	1	1		
61	64058	M	Washer 1" O. D.	6	6	6			147	22148	S	Pin Pivot	1	1	1		
62	22042	M	Bearing Retainer	4	4	4			148	22149	S	Connecting Link	1	1	1		
63	54080	M	Ball Bearing	4	4	4			149	22152	M	Lower Rod Interlock	1	1	1		
64	22158	S	Carrier	1	1	1			150	22153	M	Push Nut	1	1	1		
65	58016	M	Roll Pin 3/16 x 1	1	1	1			153	67003	M	Pin, Cotter	1	1	1		
66	68025	F	Pop Rivet	12	12	12			154	65032	M	Nut, Hex	1	1	1		
67	22010	S	Hex Shaft	1	1	1			155	25172	F	Switch, Interlock	1	1	1		
68	68031	F	Pop Rivet	8	8	8			156	75045	M	Switch, Boot	1	1	1		
69	22015	S	Bearing Retainer	2	2	2			157	74054	M	Taprite	6	6	6		
70	55039	M	Flange Bushing	4	4	4			158	13157	M	Key - Set	1	1	1		
71	22136	O	Tractor Frame	1	1	1			159	65041	M	Nut, Hex	2	2	2		
72	22009	S	Shaft	2	2	2			160	59097	M	Cap Screw	2	2	2		
73	66011	M	Key 3/16 x 3/16 x 1-1/4	2	2	2			161	25203	M	Connector	1	1	1		
74	66012	M	Key No. 91 Woodruff	1	1	1			162	22162	S	Mounting Plate	1	1	1		
75	22017	S	Axle Shaft	1	1	1											
76	58009	M	Roll Pin 1/8 x 1	2	2	2											
77	22054	S	Retainer Plate	2	2	2											
78	22011	M	Pinion	1	1	1											
79	10211	S	Spur Gear	1	1	1											
80	22040	O	Cover	1	1	1											
81	63002	F	Lockwasher 1/4 Std.	5	5	5											
82	65075	S	Nut	1	1	1											
83	67014	F	Cotter Pin 1/8 x 1-1/4	2	2	2											
84	75013	M	Grip	1	1	1											
85	71113	S	Wheel	2													
85	622004	S	Tire and Wheel Assembly Consists of														
	71080	S	Tire (Only Carlisle turf saver tread available)														
	71085	M	Tube	1													
	71093	S	Side Plate, Outside	1													
	71095	S	Side Plate, Inside	1													
	59099	S	Cap Screw	3													
	63021	S	Lockwasher	3													
	65018	F	Nut	3													

4 H.P. Engine (Tecumseh HSSK-40 55440D 4 H.P. only or Replacement)
5 H.P. Engine (Tecumseh HSSK-50 67008A 5 H.P. only or Replacement)
6 H.P. Engine (Tecumseh HSK60 75376L 6 H.P. only or Replacement)

NOTE: DECALS — see decal illustration page

SNO-THRO PARTS -MODELS 922018,020,022,024 & 025



SUGGESTED PARTS STOCKING CODE

F = Fast Moving Parts
M = Medium Moving Parts
S = Slow Moving Parts
O = Customer Order Only

SNO-THRO PARTS LIST MODELS 922018, 020, 022, 024 & 025

REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D.
				922024					922024
				922020					922020
				922018					922018
				922025					922025
				922022					922022
1	62009	F	Carriage Bolt 5/16-18 x 1/2	2	47	10184	M	Bearing Support	2
2	22159	S	Discharge Chute	1	48	55035	M	Flange Bushing	4
3	74054	M	Tapping Screw	6	49	64047	M	Washer .511 I.D. x 1.441 O.D. x 1/8	2
4	11012	M	Wing Nut	1	50	65039	F	Locknut 3/8-16	4
5	22160	M	Lower Collar Gear	1	51	62010	F	Carriage Bolt 3/8-16 x 3/4	4
7	63032	M	Lockwasher	1	52	22107	F	Scraper Blade 20"	1
8	59039	F	Cap Screw 5/16-18 x 1/2	2	52	22096	F	Scraper Blade 24"	1
9	63003	F	Lockwasher 5/16 Std.	3	53	54063	M	Ball Bearing	1
10	65042	F	Locknut 5/16-18	8	54	3017	F	Bearing Flange	1
11	59022	F	Cap Screw 5/16-18 x 3/4	1	55	522002	S	R.H. Rake 20"	1
12	64002	F	Washer 5/16 Std.	12	55	522004	S	R.H. Rake 24"	1
13	6071	M	Spacer	2	56	22093	F	Zerk Fitting	4
14	83004	F	Spring	1	57	510015	F	Shear Bolt	2
15	22175	S	Clutch Lever	1	58	10181	S	Flange	1
16	522006	S	Deflector	1	59	10108	S	Gasket	1
17	72056	F	Belt	1	60	58030	M	Roll Pin 3/16 x 1-1/2	2
18	60012	M	Setscrew 5/16-18 x 3/8	2	61	58022	M	Roll Pin 5/16 x 1-3/8	1
19	65040	F	Locknut 1/4-20	3	62	10180	S	Gear Case	1
20	10142	M	Bearing Flange	1	63	70012	M	Flange Whizlock Screw 1/4-20 x 3/4	5
21	73071	M	Sheave	1	64	56061	F	Seal	2
22	65015	F	Nut 5/16-18	3	65	22102	S	Front Gear Shaft 20"	1
23	22081	S	Control Crank	1	65	10299	S	Front Gear Shaft 24"	1
24	62026	F	Carriage Bolt 5/16-18 x 5/8	5	66	522010	M	Helicon Gear	1
25	75039	S	Grip	1	67	1138	M	Pipe Plug	2
26	10198	M	Cap	1	68	58007	M	Roll Pin 1/4 x 1-1/4	3
27	522017	S	Bracket, w/decal	1	69	22104	O	Fan	1
28	62022	F	Carriage Bolt 5/16-18 x 1-3/8	1	70	56062	F	Seal	1
29	10389	S	Idler Arm	1	71	10371	S	Adjustment Plug	1
30	12131	M	Bearing Spacer	1	72	54044	M	Bearing Cup	2
31	3254	S	Wave Washer	1	73	66003	F	Key No. 9 Woodruff	1
32	63018	M	Internal Lockwasher	1	74	622029	S	Brake w/Lining	1
33	59002	M	Cap Screw 5/16-18 x 5/8	1	75	57032	S	Snap Ring	1
34	12132	M	Idler	1	76	54045	M	Bearing Cone	2
35	10165	F	Runner	2	77	10107	S	Bearing Spacer	1
36	522015	O	Blower Housing 20"	1	78	522003	S	L.H. Rake 20"	1
37	522016	O	Blower Housing 24"	1	78	522005	S	L.H. Rake 24"	1
38	70031	M	Flange Whizlock Screw 3/8-16 x 3/4	2	79	70026	M	Nut Retainer	2
39	22123	M	Worm Clevis	1	80	522001	S	Gear Case Assembly 20"	1
40	22110	M	Worm Gear	1	80	522008	S	Gear Case Assembly 24"	1
41	58034	M	Roll Pin 1/8 x 3/4	1	81	62011	M	Carriage Bolt 5/16-18 x 3/4	1
42	63023	M	Lockwasher	1	82	78174	O	Arriens Name Plate	1
43	64046	M	Washer 1.005 I.D. x 1.505 O.D. x 1/16	2		78185	O	Patent Label (Not Illus.)	1
44	70011	M	Ribbed Neck Bolt 1/4-20 x 5/8	6	83	22178	M	Lining	1
45	65056	F	Locknut 1/4-20 Flange Whizlock	6	84	68062	M	Rivet	2
46	63006	F	Lockwasher 1/2 Std.	2	85	67004	M	Cotter Pin	1
	59024	S	Cap Screw 1/2-13 x 1	2	86	83164	M	Spring	1

SUGGESTED PARTS STOCKING CODE

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78327

6 H.P. Engine Decal
78225
5 H.P. Engine Decal
78193
4 H.P. Engine Decal
78221

Ariens

ARIENS COMPANY BRILLION, WISCONSIN U.S.A.



78061



Ariens

78174

ATTACHMENT CLUTCH MUST BE OUT WHEN STARTING ENGINE OR LEAVING HANDLE AREA. COMPRESS EITHER HANDLE LEVER TO KEEP ENGINE RUNNING IF ATTACHMENT CLUTCH IS IN.

78328

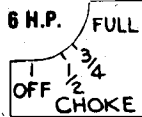


78323

78345



78326



THESE DECALS AVAILABLE ONLY THROUGH TECUMSEH

4 & 5 H.P.



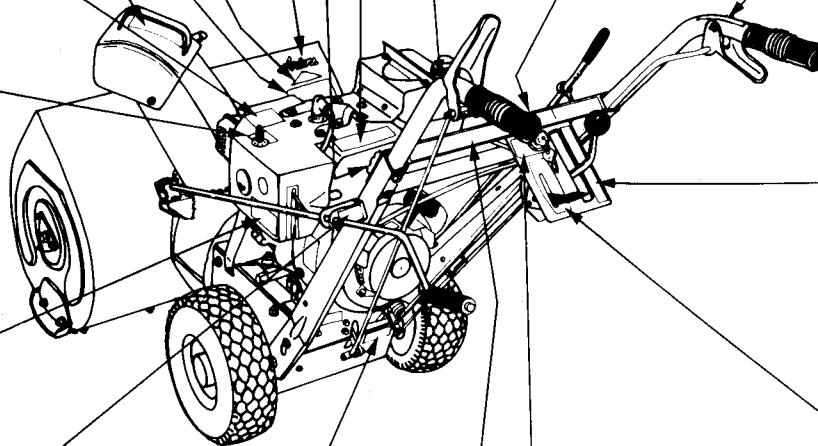
78324

HOLD UP FOR RUN
INTERLOCK LEVER

78329

4 SPEED SELECTOR
3
2
1
R

78321



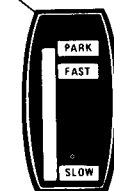
ATTENTION

WHEN USING SUMMER ATTACHMENTS REMOVE HEATER BOX AND INSTALL AIR CLEANER. ENGINE DAMAGE MAY RESULT IF ABOVE INSTRUCTIONS ARE NOT FOLLOWED.

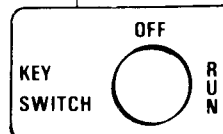
78189



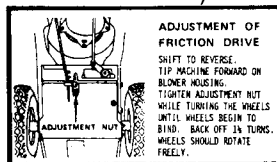
78325



PART OF THROTTLE CONTROL



78320



78330

78251

ADJUSTING DECAL LOCATED ON IDLER ARM.

OPERATING INSTRUCTIONS

1. MOVE ATTACHMENT CLUTCH TO OUT.
2. TURN KEY SWITCH TO RUN.
3. MOVE THROTTLE TO FAST.

4. MOVE CHOKE TO FULL POSITION.
5. PULL STARTER FROM RIGHT SIDE OF MACHINE.
6. AS ENGINE WARMS UP, RETURN CHOKE TO OFF POSITION.
7. TO STOP ENGINE TURN KEY SWITCH TO OFF.

RELEASE CLUTCH HANDLE BEFORE SHIFTING

ATTACHMENT CLUTCH

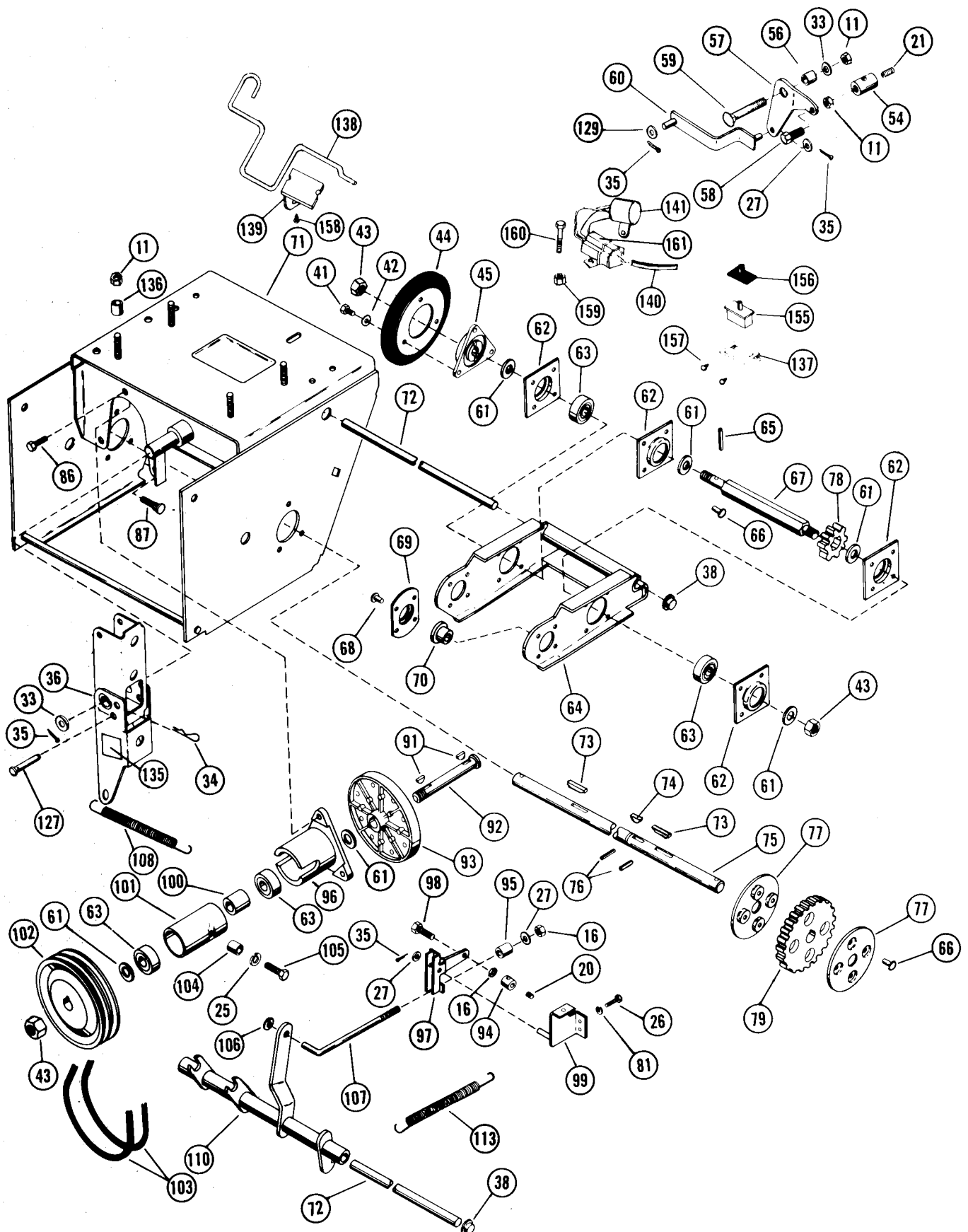
IN
OUT

IF ATTACHMENT CLUTCH IS IN, CLUTCH LEVER (LEFT HAND) MUST BE DEPRESSED OR INTERLOCK LEVER (RIGHT HAND) HELD UP TO KEEP ENGINE RUNNING.

78322

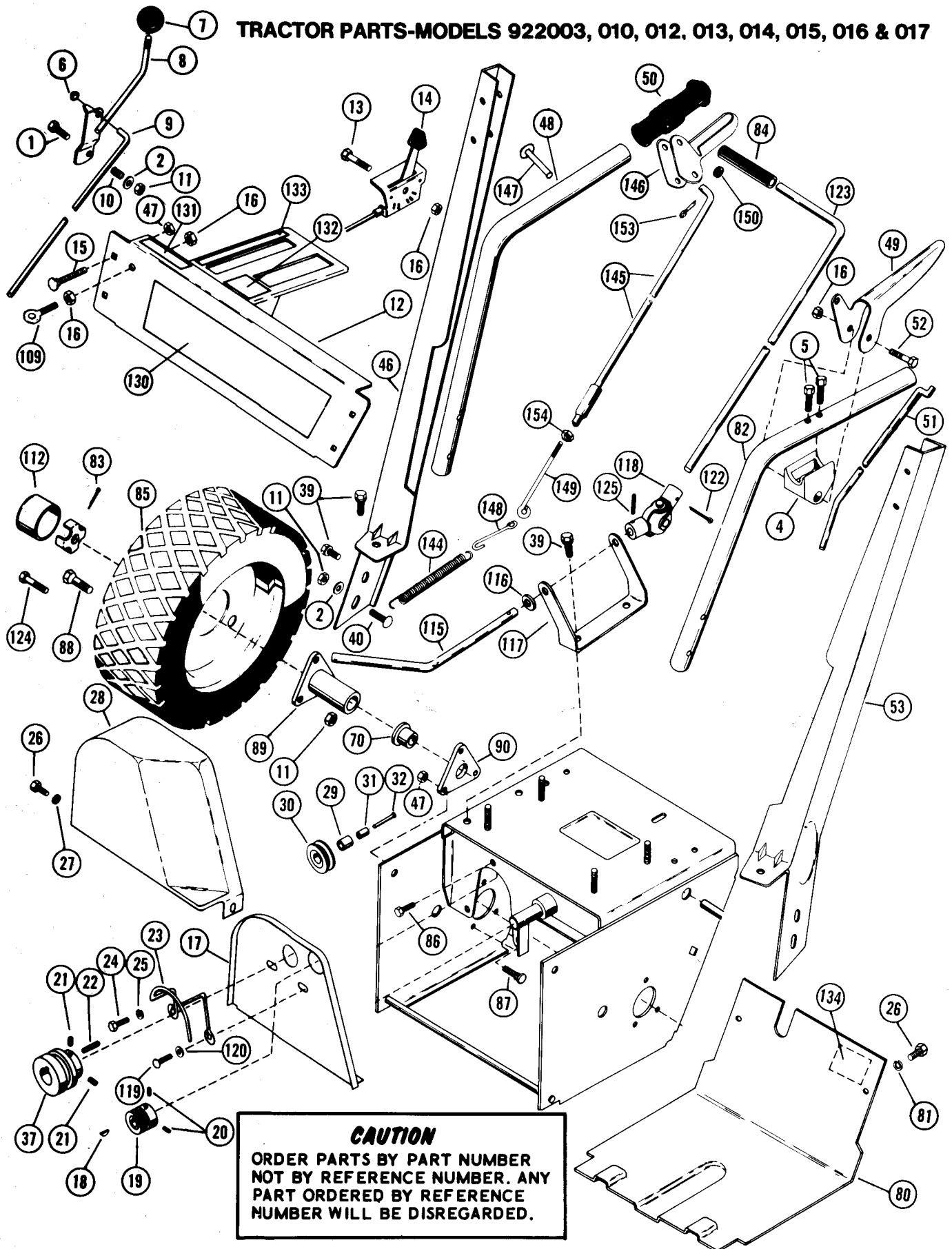
ORDER ALL DECALS BY ARIENS PART NUMBERS SHOWN.

TRACTOR PARTS-MODELS 922003, 010, 012, 013, 014, 015, 016 & 017



TRACTOR PARTS LIST-MODELS 922003,010,012,013,014,015,016&017

REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D					REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D						
				922012	922013	922014	922015	922016					922012	922013	922014	922015	922016	922017	
1	59045	M	Cap Screw 5/16 18 x 1 1/2	1	1				87	70011	M	Ribbed Neck Bolt			6		6		
2	64007	M	Washer 1 4" Std	3	3				88	70032	M	Wheel Bolt			6				
4	22129	S	Handle Pivot	1	1				89	22084	S	Wheel Hub					2		
5	74039	S	Tapping Screw	2	2				89	22018	S	Wheel Hub			2				
6	22028	F	Fastener	1	1				90	12023	F	Bearing Support			2		2		
7	75001	S	Shift Ball	1	1				91	66006	M	Key No. 3 Woodruff			2		2		
8	22044	S	Shift Handle	1	1				92	22004	S	Spindle			1		1		
9	22034	S	Shift Rod	1	1				93	22005	M	Drive Disc			1		1		
10	83090	F	Spring	1	1				94	22051	M	Rod Adapter			1		1		
11	65042	F	Locknut 5/16 18	9	15				95	3279	M	Spacer			1		1		
12	522007	S	Handle Bar Bracket	1	1				96	22003	S	Drive Spindle Housing			1		1		
13	59001	M	Cap Screw 1/4 20 x 3/4	1	1				97	22143	S	Deadman Lever			1		1		
14	69085	F	Throttle Control	1	1				98	59082	M	Cap Screw 1/4 20 x 3/4			1		1		
15	62021	M	Carriage Bolt 1/4 20 x 1 1/2	4	4				99	22025	S	Deadman Bracket			1		1		
16	65040	F	Locknut 1/4 20	6	6				100	22006	S	Bearing Spacer			1		1		
17	22100	S	Inner Belt Cover	1	1				101	22002	S	Spindle Housing			1		1		
18	66015	M	Key No. 5 Woodruff	1	1				102	22048	M	Drive Sheave			1		1		
19	22089	S	Camshaft Sheave	1	1				103	72074	F	Belt (Matched pairs only)			6 H.P. only				
20	60014	M	Setscrew 1/4 20 x 1/4 Socket Head	3	3				103	72023	F	Belt (Matched pairs only)			2		2		
21	60012	M	Setscrew 5/16 18 x 3/8 Socket Head	3	3				104	3034	S	Roller			2		2		
22	66013	M	Key SAE 1035	1	1				105	59003	M	Cap Screw 5/16 18 x 1			2		2		
23	22007	M	Belt Finger	1	1				106	10376	S	Ratchet Plate			1		1		
24	59053	M	Cap Screw 5/16 24 x 3/4	1	1				107	22012	S	Adjustment Link			1		1		
25	63003	F	Lockwasher 5/16 Std.	3	3				108	83026	F	Idle Spring			1		1		
26	59028	F	Cap Screw 1/4 20 x 1/2	7	7				109	10289	S	Eye Bolt			1		1		
27	64001	F	Washer 3/16 Std.	5	5				110	22137	O	Fork			1		1		
28	22124	S	Outer Belt Cover	1	1				111	3376	M	Spindle Cup			2		2		
29	55048	M	Sleeve Bushing	1	1				112	3377	M	Hub Cap			2		2		
30	22047	M	Idle	1	1				113	83004	F	Spring			1		1		
31	22053	M	Idle Shaft	1	1				115	22079	S	Clutch Lever Rod			1		1		
32	68048	M	Rivet	1	1				116	64052	M	Washer			1		1		
33	64062	F	Washer 3/8 I.D. x 7/8 O.D. x 5/64	2	2				117	22077	S	Support Bracket			1		1		
34	67020	M	Hair Pin	1	1				118	622010	M	Universal Joint			1		1		
35	67001	M	Cotter Pin 3/32 x 3/4	4	4				119	61034	M	Machine Screw			1		1		
36	522009	S	Idle Arm	1	1				120	63022	M	Ext. Lockwasher			1		1		
37	10294	S	Sheave	1	1				122	67004	M	Cotter Pin			1		1		
38	12086	M	Cap	4	4				123	22097	S	Clutch Rod			1		1		
39	70009	M	Flange Whizlock Screw 5/16-18 x 1/2	9	9				124	59022	F	Cap Screw 5/16 18 x 3/4					6		
40	62009	F	Carriage Bolt 5/16 18 x 1/2	2	2				125	58034	M	Roll Pin 1/8 x 3/4			1		1		
41	59104	F	Cap Screw 1/4 20 x 3/8	3	3				127	22132	S	Idle Adjustment Pin			1		1		
42	63017	F	Lockwasher External	3	3				129	64091	M	Washer			1		1		
43	65054	M	Locknut 1/2 20	3	3				130	78061	O	Handle Bar Decal			1		1		
44	22013	F	Friction Disc	1	1				131	78224	O	In Out Label			1		1		
45	22014	F	Friction Disc Hub	1	1				132	78298	O	Caution Shift Label			1		1		
46	22145	S	R.H. Lower Handle Bar	1	1				133	78060	O	Shift Label			1		1		
47	65056	F	Locknut 1/4 20 Flange Whizlock	10	10				134	78247	O	Disc Adjustment Decal			1		1		
48	22144	S	Upper Handle Bar R.H.	1	1				135	78251	O	Idle Arm Adj. Decal			1		1		
49	22071	S	Clutch Handle	1	1				136	10262	O	Spacer					4		
50	75006	M	Grip	2	2				137	22138	S	Switch Bracket			1		1		
51	22072	S	Clutch Rod	1	1				138	22139	M	Activator Switch			1		1		
52	59062	F	Cap Screw 1/4 20 x 1 3/4	1	1				139	22140	S	Retainer Rod			2		2		
53	22095	S	L.H. Lower Handle Bar	1	1				140	22141	S	Wiring Harness			1		1		
54	22135	M	Rod Adapter	1	1				141	524010	M	Module T with Connector			1		1		
56	22029	F	Bushing	1	1				142	75050	M	Snap Bushing			1		1		
57	22035	S	Shift Lever	1	1				143	83140	M	Spring Extension			1		1		
58	59022	M	Cap Screw 5/16 18 x 3/4	1	1				144	83141	M	Spring Extension			1		1		
59	62024	F	Carriage Bolt 5/16 18 x 2	1	1				145	22146	S	Upper rod Interlock			1		1		
60	22125	S	Shift Link	1	1				146	22147	S	Handle Interlock			1		1		
61	64058	M	Washer 1" O.D.	6	6				147	22148	S	Pin Pivot			1		1		
62	22042	M	Bearing Retainer	4	4				148	22149	S	Connecting Link			1		1		
63	54080	M	Ball Bearing	4	4				149	22152	M	Lower Rod Interlock			1		1		
64	22008	S	Carrier	1	1				150	22153	M	Push Nut			1		1		
65	58016	M	Roll Pin 3/16 x 1	1	1				153	67003	M	Pin, Cotter			1		1		
66	68025	F	Pop Rivet	12	12				154	65032	M	Nut, Hex			1		1		
67	22010	S	Hex Shaft	1	1				155	25172	F	Switch, Interlock			1		1		
68	68031	F	Pop Rivet	8	8				156	75045	M	Switch, Boot			1		1		
69	22015	S	Bearing Retainer	2	2				157	74026	M	Taprite			2		2		
70	55039	M	Flange Bushing	4	4				158	74021	M	Taprite			4		4		
71	22136	O	Tractor Frame	1	1				159	65041	M	Nut, Hex			2		2		
72	22009	S	Shaft	2	2				160	59097	M	Cap Screw			2		2		
73	66011	M	Key 3/16 x 3/16 x 1-1/4	2	2				161	25203	M	Connector			1		1		
74	66012	M	Key No. 91 Woodruff	1	1					78299	S	Decal, Clutch (Not Ill.)			1		1		
75	22017	S	Axle Shaft	1	1					78300	S	Decal, Interlock (Not Ill.)			1		1		
76	58009	M	Roll Pin 1/8 x 1	2	2					78193	O	5 H.P. Engine Decal (Not Ill.)					1		
77	22054	S	Retainer Plate	2	2					78221	O	4 H.P. Engine Decal (Not Ill.)			1				
78	22011	M	Pinion	1	1					78225	O	6 H.P. Engine Decal (Not Ill.)					1		
79	10211	S	Spur Gear	1	1							*Engine (Tecumseh HSK 40 55440C or Replacement)			1				
80	22040	O	Cover	1	1							*Engine (Tecumseh HSK 50 67008 or Replacement)					1		
81	63002	F	Lockwasher 1 4 Std	5	5							*Engine (Tecumseh HSK 60 75376J or Replacement)							
82	22076	S	Upper Handle Bar L.H.	1	1														
83	67014	F	Cotter Pin 1/8 x 1 1/4	2	2														
84	75013	M	Grip	1	1														
85	71075	S	Wheel	2	2														
85	622004	S	Tire and Wheel Assembly Consists of																
	71080	S	Tire (Only Carlisle turf saver tread available)	1															
	71085	M	Tube	1															
	71093	S	Side Plate, Outside	1															
	71095	S	Side Plate, Inside	1															
	59099	S	Cap Screw	3															
	63021	S	Lockwasher	3															
	65018	F	Nut	3															

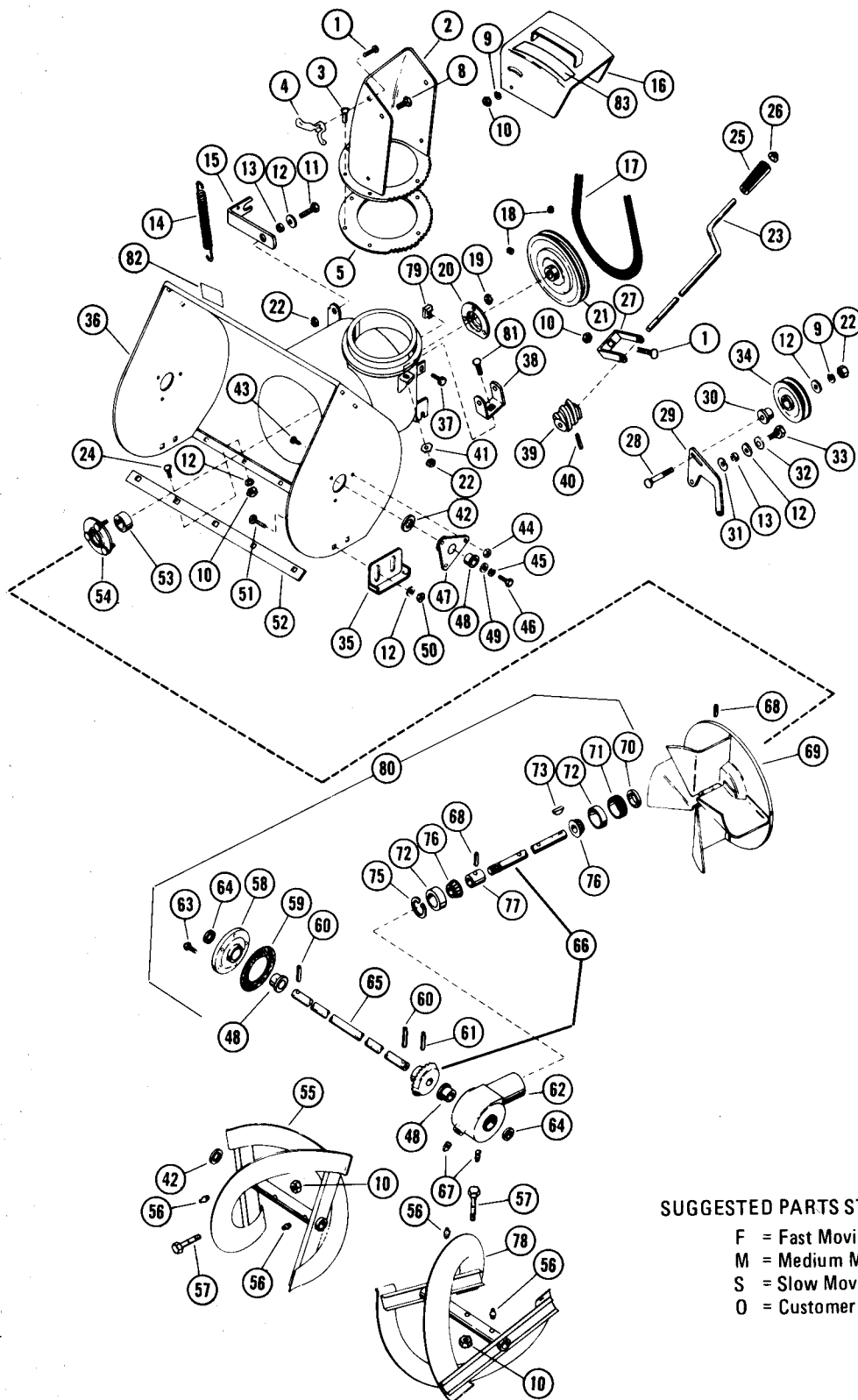


CAUTION
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TRACTOR PARTS LIST-MODELS 922003,010,012,013,014,015,016&017

REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D	REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D		
				922012 922013 922014 922015 922016 922017				922012 922013 922014 922015 922016 922017			
1	59045	M	Cap Screw 5/16 18 x 1 1/2	1	1	87	70011	M	Ribbed Neck Bolt	6	6
2	64007	M	Washer 1 1/4" Std.	3	3	88	70032	M	Wheel Bolt	6	6
4	22129	S	Handle Pivot	1	1	89	22084	S	Wheel Hub		2
5	74039	S	Tapping Screw	2	2	89	22018	S	Wheel Hub	2	2
6	22028	F	Fastener	1	1	90	12023	F	Bearing Support	2	2
7	75001	S	Shift Ball	1	1	91	66006	M	Key No. 3 Woodruff	2	2
8	22044	S	Shift Handle	1	1	92	22004	S	Spindle	1	1
9	22034	S	Shift Rod	1	1	93	22005	M	Drive Disc	1	1
10	83090	F	Spring	1	1	94	22051	M	Rod Adapter	1	1
11	65042	F	Locknut 5/16-18	9	15	95	3279	M	Spacer	1	1
12	522007	S	Handle Bar Bracket	1	1	96	22003	S	Drive Spindle Housing	1	1
13	59001	M	Cap Screw 1/4 20 x 3/4	1	1	97	22143	S	Deadman Lever	1	1
14	69085	F	Throttle Control	1	1	98	59082	M	Cap Screw 1/4 20 x 3/4	1	1
15	62021	M	Carriage Bolt 1/4 20 x 1 1/2	4	4	99	22025	S	Deadman Bracket	1	1
16	65040	F	Locknut 1/4 20	6	6	100	22006	S	Bearing Spacer	1	1
17	22100	S	Inner Belt Cover	1	1	101	22002	S	Spindle Housing	1	1
18	66015	M	Key No. 5 Woodruff	1	1	102	22048	M	Drive Sheave	1	1
19	22089	S	Camshaft Sheave	1	1	103	72074	F	Jelt (Matched pairs only)	6 H.P. only	
20	60014	M	Setscrew 1/4-20 x 1/4 Socket Head	3	3	103	72023	F	Jelt (Matched pairs only)	2	2
21	60012	M	Setscrew 5/16-18 x 3/8 Socket Head	3	3	104	3034	S	Roller	2	2
22	66013	M	Key SAE 1035	1	1	105	59003	M	Cap Screw 5/16-18 x 1	2	2
23	22007	M	Belt Finger	1	1	106	10376	S	Ratchet Plate	1	1
24	59053	M	Cap Screw 5/16-24 x 3/4	1	1	107	22012	S	Adjustment Link	1	1
25	63003	F	Lockwasher 5/16 Std.	3	3	108	83026	F	Idler Spring	1	1
26	59028	F	Cap Screw 1/4-20 x 1/2	7	7	109	10289	S	Eye Bolt	1	1
27	64001	F	Washer 3/16 Std.	5	5	110	22137	O	Fork	1	1
28	22124	S	Outer Belt Cover	1	1	111	3376	M	Spindle Cup	2	2
29	55048	M	Sleeve Bushing	1	1	112	3377	M	Hub Cap	2	2
30	22047	M	Idler	1	1	113	83004	F	Spring	1	1
31	22053	M	Idler Shaft	1	1	115	22079	S	Clutch Lever Rod	1	1
32	68048	M	Rivet	1	1	116	64052	M	Washer	1	1
33	64062	F	Washer 3/8 I.D. x 7/8 O.D. x 5/64	2	2	117	22077	S	Support Bracket	1	1
34	67020	M	Hair Pin	1	1	118	622010	M	Universal Joint	1	1
35	67001	M	Cotter Pin 3/32 x 3/4	4	4	119	61034	M	Machine Screw	1	1
36	522009	S	Idler Arm	1	1	120	63022	M	Ext. Lockwasher	1	1
37	10294	S	Sheave	1	1	122	67004	M	Cotter Pin	1	1
38	12086	M	Cap	4	4	123	22097	S	Clutch Rod	1	1
39	70009	M	Flange Whizlock Screw 5/16-18 x 1/2	9	9	124	59022	F	Cap Screw 5/16-18 x 3/4		6
40	62008	F	Carriage Bolt 5/16-18 x 1/2	2	2	125	58034	M	Roll Pin 1/8 x 3/4	1	1
41	59104	F	Cap Screw 1/4-20 x 3/8	3	3	127	22132	S	Idler Adjustment Pin	1	1
42	63017	F	Lockwasher External	3	3	129	64091	M	Washer	1	1
43	65054	M	Locknut 1/2-20	3	3	130	78061	O	Handle Bar Decal	1	1
44	22013	F	Friction Disc	1	1	131	78224	O	In Out Label	1	1
45	22014	F	Friction Disc Hub	1	1	132	78298	O	Caution Shift Label	1	1
46	22145	S	R.H. Lower Handle Bar	1	1	133	78060	O	Shift Label	1	1
47	65056	F	Locknut 1/4-20 Flange Whizlock	10	10	134	78247	O	Disc Adjustment Decal	1	1
48	22144	S	Upper Handle Bar R.H.	1	1	135	78251	O	Idler Arm Adj. Decal	1	1
49	22071	S	Clutch Handle	1	1	136	10262	O	Spacer		4
50	75006	M	Grip	2	2	137	22138	S	Switch Bracket	1	1
51	22072	S	Clutch Rod	1	1	138	22139	M	Activator Switch	1	1
52	59062	F	Cap Screw 1/4-20 x 1-3/4	1	1	139	22140	S	Retainer Rod	2	2
53	22095	S	L.H. Lower Handle Bar	1	1	140	22141	S	Wiring Harness	1	1
54	22135	M	Rod Adapter	1	1	141	524010	M	Module T with Connector	1	1
56	22029	F	Bushing	1	1	142	75050	M	Snap Bushing	1	1
57	22035	S	Shift Lever	1	1	143	83140	M	Spring Extension	1	1
58	59022	M	Cap Screw 5/16-18 x 3/4	1	1	144	83141	M	Spring Extension	1	1
59	62024	F	Carriage Bolt 5/16-18 x 2	1	1	145	22146	S	Upper rod Interlock	1	1
60	22125	S	Shift Link	1	1	146	22147	S	Handle Interlock	1	1
61	64058	M	Washer 1" O. D.	6	6	147	22148	S	Pin Pivot	1	1
62	22042	M	Bearing Retainer	4	4	148	22149	S	Connecting Link	1	1
63	54080	M	Ball Bearing	4	4	149	22152	M	Lower Rod Interlock	1	1
64	22008	S	Carrier	1	1	150	22153	M	Push Nut	1	1
65	58016	M	Roll Pin 3/16 x 1	1	1	153	67003	M	Pin, Cotter	1	1
66	68025	F	Pop Rivet	12	12	154	65032	M	Nut, Hex	1	1
67	22010	S	Hex Shaft	1	1	155	25172	F	Switch, Interlock	1	1
68	68031	F	Pop Rivet	8	8	156	75045	M	Switch, Boot	1	1
69	22015	S	Bearing Retainer	2	2	157	74026	M	Tapitite	2	2
70	55039	M	Flange Bushing	4	4	158	74021	M	Tapitite	4	4
71	22136	O	Tractor Frame	1	1	159	65041	M	Nut, Hex	2	2
72	22009	S	Shaft	2	2	160	59097	M	Cap Screw	2	2
73	66011	M	Key 3/16 x 3/16 x 1-1/4	2	2	161	25203	M	Connector	1	1
74	66012	M	Key No. 91 Woodruff	1	1		78299	S	Decal, Clutch (Not Ill.)	1	1
75	22017	S	Axle Shaft	1	1		78300	S	Decal, Interlock (Not Ill.)	1	1
76	58009	M	Roll Pin 1/8 x 1	2	2		78193	O	5 H.P. Engine Decal (Not Illus.)		1
77	22054	S	Retainer Plate	2	2		78221	O	4 H.P. Engine Decal (Not Illus.)	1	1
78	22011	M	Pinion	1	1		78225	O	6 H.P. Engine Decal (Not Illus.)		1
79	10211	S	Spur Gear	1	1				*Engine (Tecumseh HSSK-40 55440C or Replacement)	1	
80	22040	O	Cover	1	1				*Engine (Tecumseh HSSK-50 67008 or Replacement)		1
81	63002	F	Lockwasher 1/4 Std.	5	5				*Engine (Tecumseh HSK60 75376J or Replacement)		6 H.P. only
82	22076	S	Upper Handle Bar L.H.	1	1						
83	67014	F	Cotter Pin 1/8 x 1 1/4	2	2						
84	75013	M	Grip	1	1						
85	71075	S	Wheel	2	2						
85	622004	S	Tire and Wheel Assembly Consists of		2						
	71080	S	Tire (Only Carlisle turf saver tread available)	1							
	71085	M	Tube	1							
	71093	S	Side Plate, Outside	1							
	71095	S	Side Plate, Inside	1							
	59099	S	Cap Screw	3							
	63021	S	Lockwasher	3							
	65018	F	Nut	3							

SNOW SCOOP PARTS - MODELS 922003, 010, 012, 014, & 016

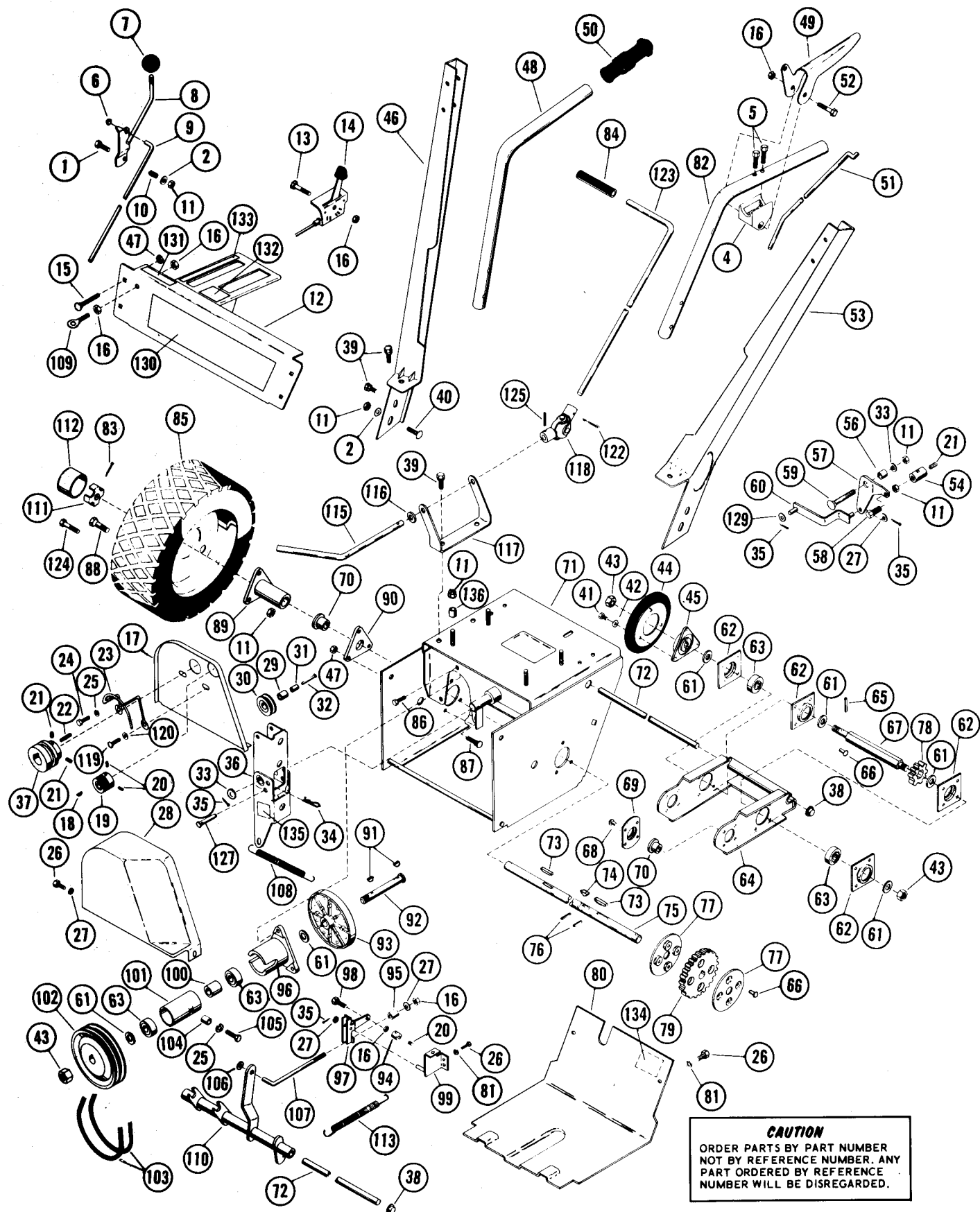


SNOW SCOOP PARTS - MODELS 922003, 010, 012, 014, & 016

REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D.					REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D.				
				922003	922012	922014	922010	922016					922003	922012	922014	922010	922016
1	62009	F	Carriage Bolt 5/16-18 x 1/2	2	2				46	59024	S	Cap Screw 1/2-13 x 1	2	2			
2	22113	S	Discharge Chute	1	1				47	10184	M	Bearing Support	2	2			
3	74034	M	Tapping Screw	6	6				48	55035	M	Flange Bushing	4	4			
4	11012	M	Wing Nut	1	1				49	64047	M	Washer .511 I.D. x 1.441 O.D. x 1/8	2	2			
5	22119	M	Lower Collar Gear	1	1				50	65039	F	Locknut 3/8-16	4	4			
8	59039	F	Cap Screw 5/16-18 x 1/2	2	2				51	62010	F	Carriage Bolt 3/8-16 x 3/4	4	4			
9	63003	F	Lockwasher 5/16 Std.	3	3				52	22107	F	Scraper Blade	1				
10	65042	F	Locknut 5/16-18	10	10				52	22096	F	Scraper Blade		1			
11	59022	F	Cap Screw 5/16-18 x 3/4	1	1				53	54063	M	Ball Bearing	1	1			
12	64002	F	Washer 5/16 Std.	12	12				54	3017	F	Bearing Flange	1	1			
13	6071	M	Spacer	2	2				55	522002	S	R.H. Rake 20"	1				
14	83004	F	Spring	1	1				55	522004	S	R.H. Rake 24"				1	
15	22086	S	Clutch Lever	1	1				56	22093	F	Zerk Fitting	4			4	
16	522006	S	Deflector	1	1				57	510015	F	Shear Bolt (Pack of 5)	2	2			
17	72056	F	Belt	1	1				58	10181	S	Flange	1	1			
18	60012	M	Setscrew 5/16-18 x 3/8	2	2				59	10108	S	Gasket	1	1			
19	65040	F	Locknut 1/4-20	3	3				60	58030	M	Roll Pin 3/16 x 1-1/2	2	2			
20	10142	M	Bearing Flange	1	1				61	58022	M	Roll Pin 5/16 x 1-3/8	1	1			
21	73036	M	Sheave	1	1				62	10180	S	Gear Case	1	1			
22	65015	F	Nut 5/16-18	3	3				63	70012	M	Flange Whizlock Screw 1/4-20 x 3/4	5	5			
23	22081	S	Control Crank	1	1				64	56061	F	Seal	2	2			
24	62026	F	Carriage Bolt 5/16-18 x 5/8	5	5				65	22102	S	Front Gear Shaft 20"	1				
25	75039	S	Grip	1	1				65	10299	S	Front Gear Shaft 24"				1	
26	10198	M	Cap	1	1				56	522010	M	Helicon Gear	1	1			
27	22065	S	Bracket	1	1				67	1138	M	Pipe Plug	2	2			
28	62022	F	Carriage Bolt 5/16-18 x 1-3/8	1	1				68	58007	M	Roll Pin 1/4 x 1-1/4	3	3			
29	10389	S	Idler Arm	1	1				69	22104	O	Fan	1	1			
30	12131	M	Bearing Spacer	1	1				70	56062	F	Seal	1	1			
31	3254	S	Wave Washer	1	1				71	10371	S	Adjustment Plug	1	1			
32	63018	M	Internal Lockwasher	1	1				72	54044	M	Bearing Cup	2	2			
33	59002	M	Cap Screw 5/16-18 x 5/8	1	1				73	66003	F	Key No. 9 Woodruff	1	1			
34	12132	M	Idler	1	1				75	57032	S	Snap Ring	1	1			
35	10165	F	Runner	2	2				76	54045	M	Bearing Cone	2	2			
36	22080	n	Blower Housing 20"	1	1				77	10107	S	Bearing Spacer	1	1			
36	22116	U	Blower Housing 24"	1	1				78	522003	S	L.H. Rake 20"	1				
37	70031	M	Flange Whizlock Screw 3/8-16 x 3/4	2	2				78	522005	S	L.H. Rake 24"				1	
38	22123	M	Worm Clevis	1	1				79	70026	M	Nut Retainer	2			2	
39	22110	M	Worm Gear	1	1				80	522001	S	Gear Case Assembly 20"	1				
40	58034	M	Roll Pin 1/8 x 3/4	1	1				80	522008	S	Gear Case Assembly 24"					1
41	63023	M	Lockwasher	1	1				81	62011	M	Carriage Bolt 5/16-18 x 3/4	1	1			
42	64046	M	Washer 1.005 I.D. x 1.505 O.D. x 1/16	2	2				82	78174	O	Ariens Name Plate	1	1			
43	70011	M	Ribbed Neck Bolt 1/4-20 x 5/8	6	6					78185	O	Patent Label (Not Illus.)	1	1			
44	65056	F	Locknut 1/4-20 Flange Whizlock	6	6				83	78222	O	Caution Label	1	1			
45	63006	F	Lockwasher 1/2 Std.	2	2												

SUGGESTED PARTS STOCKING CODE

F = Fast Moving Parts
 M = Medium Moving Parts
 S = Slow Moving Parts
 O = Customer Order Only



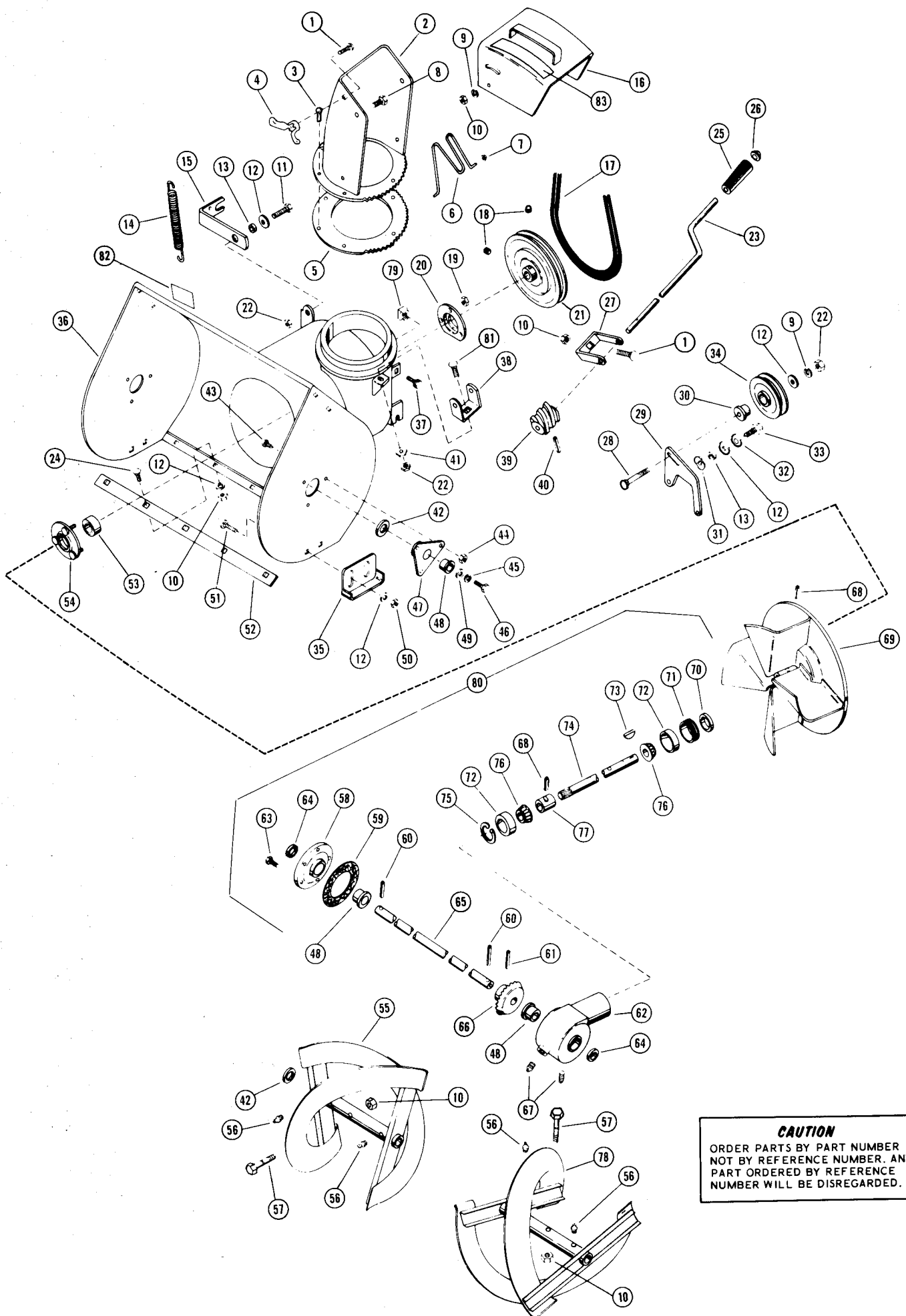
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TRACTOR PARTS LIST

REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D.			REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D.		
				922006	922007	922008					922006	922007	922008
1	59045	M	Cap Screw 5/16-18 x 1 1/2	1	1		79	10211	S	Spur Gear	1	1	
2	64007	M	Washer 1/4" Std.	3	3		80	22040	O	Cover	1	1	
4	22129	S	Handle Pivot	1	1		81	63002	F	Lockwasher 1/4 Std.	5	5	
5	74039	S	Tapping Screw	2	2		82	22076	S	Upper Handle Bar L.H.	1	1	
6	22028	F	Fastener	1	1		83	67014	F	Cotter Pin 1/8 x 1-1/4	2	2	
7	75001	S	Shift Ball	1	1		84	75013	M	Grip	1	1	
8	22044	S	Shift Handle	1	1		85	71075	S	Wheel	2		
9	22034	S	Shift Rod	1	1			622004	S	Tire and Wheel Assembly Consists of			2
10	83090	F	Spring	1	1			71080	S	Tire (Only Carlisle turf saver tread available)	1		
11	65042	F	Locknut 5/16-18	9	15			71085	M	Tube	1		
12	522007	S	Handle Bar Bracket	1	1			71093	S	Side Plate	1		
13	59001	M	Cap Screw 1/4-20 x 3/4	1	1			71095	S	Side Plate	1		
14	69085	F	Throttle Control	1	1			59099	S	Cap Screw	3		
15	62021	M	Carriage Bolt 1/4-20 x 1-1/2	4	4			63021	S	Lockwasher	3		
16	65040	F	Locknut 1/4-20	6	6			65018	F	Nut	3		
17	22100	S	Inner Belt Cover	1	1		87	70011	M	Ribbed Neck Bolt	6	6	
18	66015	M	Key No. 5 Woodruff	1	1		88	70032	M	Wheel Bolt	6		
19	22089	S	Camshaft Sheave	1	1		89	20084	S	Wheel Hub			2
20	60014	M	Setscrew 1/4-20 x 1/4 Socket Head	3	3		89	22018	S	Wheel Hub	2		
21	60012	M	Setscrew 5/16-18 x 3/8 Socket Head	3	3		90	12023	F	Bearing Support	2	2	
22	66013	M	Key SAE 1035	1	1		91	66006	M	Key No. 3 Woodruff	2	2	
23	22007	M	Belt Finger	1	1		92	22004	S	Spindle	1	1	
24	59053	M	Cap Screw 5/16-24 x 3/4	1	1		93	22005	M	Drive Disc	1	1	
25	63003	F	Lockwasher 5/16 Std.	3	3		94	22051	M	Rod Adapter	1	1	
26	59028	F	Cap Screw 1/4-20 x 1/2	7	7		95	3279	M	Spacer	1	1	
27	64001	F	Washer 3/16 Std.	5	5		96	22003	S	Drive Spindle Housing	1	1	
28	22124	S	Outer Belt Cover	1	1		97	22030	S	Deadman Lever	1	1	
29	55048	M	Sleeve Bushing	1	1		98	59082	M	Cap Screw 1/4-20 x 3/4	1	1	
30	22047	M	Idler	1	1		99	22025	S	Deadman Bracket	1	1	
31	22053	M	Idler Shaft	1	1		100	22006	S	Bearing Spacer	1	1	
32	68048	M	Rivet	1	1		101	22002	S	Spindle Housing	1	1	
33	64062	F	Washer 3/8 I.D. x 7/8 O.D. x 5/64	2	2		102	22048	M	Drive Sheave	1	1	
34	67020	M	Hair Pin	1	1		103	72074	F	Belt (Matched pairs only)	922009 6 H.P. only		
35	67001	M	Cotter Pin 3/32 x 3/4	4	4		103	72023	F	Belt (Matched pairs only)	2	2	
36	522009	S	Idler Arm	1	1		104	3034	S	Roller	2	2	
37	10294	S	Sheave	1	1		105	59003	M	Cap Screw 5/16-18 x 1	2	2	
38	12086	M	Cap	4	4		106	10376	S	Ratchet Plate	1	1	
39	70009	M	Flange Whizlock Screw 5/16-18 x 1/2	9	9		107	22012	S	Adjustment Link	1	1	
40	62009	F	Carriage Bolt 5/16-18 x 1/2	2	2		108	83026	F	Idler Spring	1	1	
41	59104	F	Cap Screw 1/4-20 x 3/8	3	3		109	10289	S	Eye Bolt	1	1	
42	63017	F	Lockwasher External	3	3		110	22064	O	Fork	1	1	
43	65054	M	Locknut 1/2-20	3	3		111	3376	M	Spindle Cup	2	2	
44	22013	F	Friction Disc	1	1		112	3377	M	Hub Cap	2	2	
45	22014	F	Friction Disc Hub	1	1		113	83004	F	Spring	1	1	
46	22094	S	R.H. Lower Handle Bar	1	1		115	22079	S	Clutch Lever Rod	1	1	
47	65056	F	Locknut 1/4-20 Flange Whizlock	10	10		116	64052	M	Washer	1	1	
48	22075	S	Upper Handle Bar R.H.	1	1		117	22077	S	Support Bracket	1	1	
49	22071	S	Clutch Handle	1	1		118	622010	M	Universal Joint	1	1	
50	75006	M	Grip	2	2		119	61034	M	Machine Screw	1	1	
51	22072	S	Clutch Rod	1	1		120	63022	M	Ext. Lockwasher	1	1	
52	59062	F	Cap Screw 1/4-20 x 1-3/4	1	1		122	67004	M	Cotter Pin	1	1	
53	22095	S	L.H. Lower Handle Bar	1	1		123	22097	S	Clutch Rod	1	1	
54	22135	M	Rod Adapter	1	1		124	59022	F	Cap Screw 5/16-18 x 3/4		6	
56	22029	F	Bushing	1	1		125	58034	M	Roll Pin 1/8 x 3/4	1	1	
57	22035	S	Shift Lever	1	1		127	22132	S	Idler Adjustment Pin	1	1	
58	59002	M	Cap Screw 5/16-18 x 5/8	1	1		129	64091	M	Washer	1	1	
59	62024	F	Carriage Bolt 5/16-18 x 2	1	1		130	78061	O	Handle Bar Decal	1	1	
60	22125	S	Shift Link	1	1		131	78224	O	In-Out Label	1	1	
61	64058	M	Washer 1" O.D.	6	6		132	78059	O	Caution Shift Label	1	1	
62	22042	M	Bearing Retainer	4	4		133	78060	O	Shift Label	1	1	
63	54080	M	Ball Bearing	4	4		134	78247	O	Disc Adjustment Decal	1	1	
64	22008	S	Carrier	1	1		135	78251	O	Idler Arm Adj. Decal	1	1	
65	58016	M	Roll Pin 3/16 x 1	1	1		136	10262	O	Spacer			4
66	68025	F	Pop Rivet	12	12			78193	O	5 H.P. Engine Decal (Not Illus.)			1
67	22010	S	Hex Shaft	1	1			78221	O	4 H.P. Engine Decal (Not Illus.)	1		
68	68031	F	Pop Rivet	8	8			78225	O	6 H.P. Engine Decal (Not Illus.)			1
69	22015	S	Bearing Retainer	2	2		*Engine (Tecumseh HSSK-40 55440C or Replacement)						1
70	55039	M	Flange Bushing	4	4		*Engine (Tecumseh HSSK-50 67008 or Replacement)						1
71	22098	O	Tractor Frame	1	1		*Engine (Tecumseh HSK60 75376J Model 922009 or Replacement)						6 H.P. only
72	22009	S	Shaft	2	2		*ORDER REPLACEMENT ENGINE AND/OR ENGINE REPLACEMENT PARTS FROM YOUR NEAREST ENGINE SERVICE CENTRAL.						
73	66011	M	Key 3/16 x 3/16 x 1-1/4	2	2								
74	66012	M	Key No. 91 Woodruff	1	1								
75	22017	S	Axle Shaft	1	1								
76	58009	M	Roll Pin 1/8 x 1	2	2								
77	22054	S	Retainer Plate	2	2								
78	22011	M	Pinion	1	1								

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O = Customer Order Only

SUGGESTED PARTS STOCK CODE



CAUTION
 ORDER PARTS BY PART NUMBER
 NOT BY REFERENCE NUMBER. ANY
 PART ORDERED BY REFERENCE
 NUMBER WILL BE DISREGARDED.

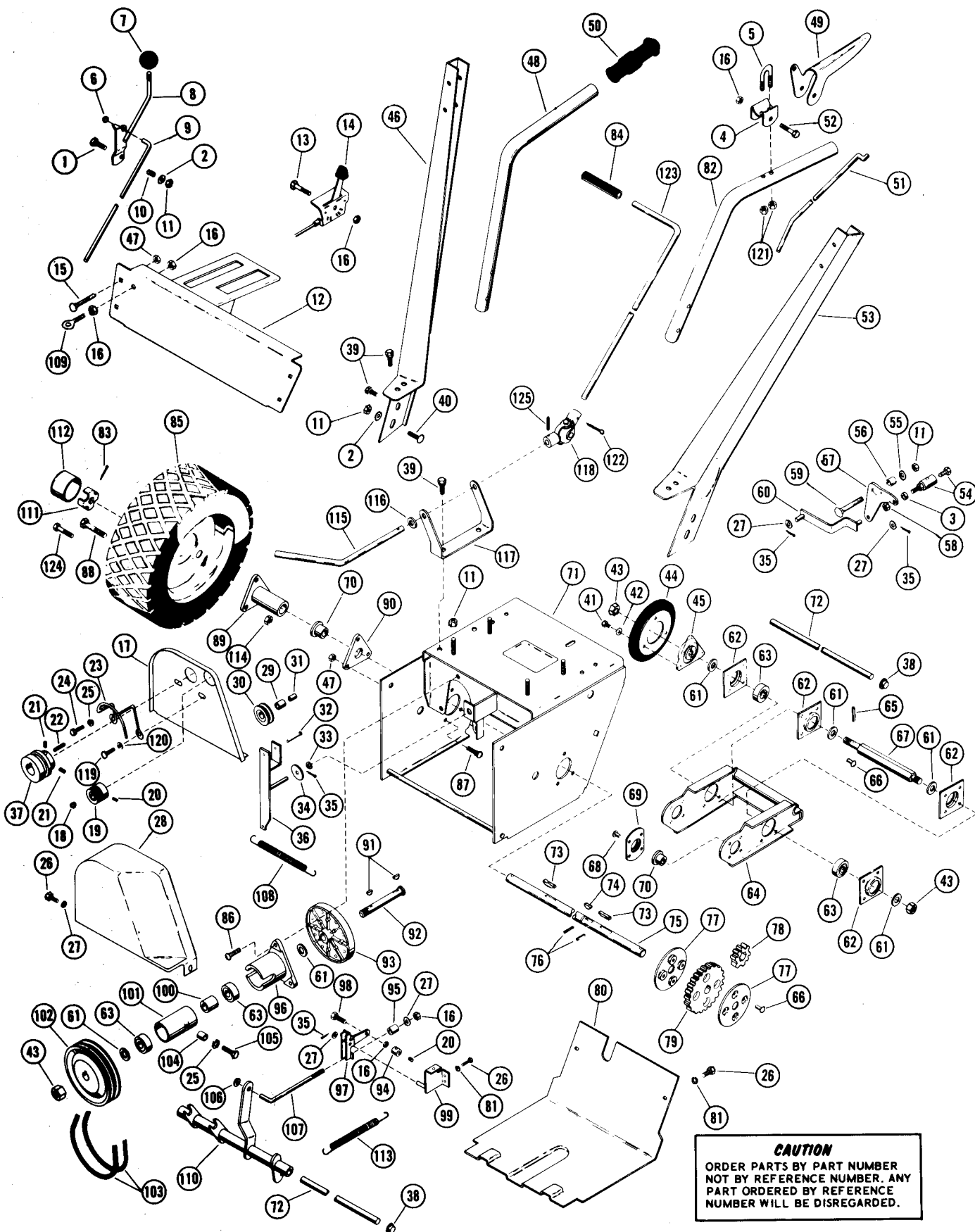
TRACTOR PARTS LIST

REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO.	REQ'D.	REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO.	REQ'D.
				922003	922006					922003	922006
				922008	922009					922008	922010
				922010							
1	62009	F	Carriage Bolt 5/16-18 x 1/2	2	2	46	59024	S	Cap Screw 1/2-13 x 1	2	2
2	22113	S	Discharge Chute	1	1	47	10184	M	Bearing Support	2	2
3	74034	M	Tapping Screw	6	6	48	55035	M	Flange Bushing	4	4
4	11012	M	Wing Nut	1	1	49	64047	M	Washer .511 I.D. x 1.441 O.D. x 1/8	2	2
5	22119	M	Lower Collar Gear	1	1	50	65039	F	Locknut 3/8-16	4	4
6	22112	M	Safety Wire	1	1	51	62010	F	Carriage Bolt 3/8-16 x 3/4	4	4
7	22122	F	Pushnut	2	2	52	22107	F	Scraper Blade	1	
8	59039	F	Cap Screw 5/16-18 x 1/2	2	2	52	22096	F	Scraper Blade		1
9	63003	F	Lockwasher 5/16 Std.	3	3	53	54063	M	Ball Bearing	1	1
10	65042	F	Locknut 5/16-18	10	10	54	3017	F	Bearing Flange	1	1
11	59022	F	Cap Screw 5/16-18 x 3/4	1	1	55	522002	S	R.H. Rake 20"	1	
12	64002	F	Washer 5/16 Std.	12	12	55	522004	S	R.H. Rake 24"		1
13	6071	M	Spacer	2	2	56	22093	F	Zerk Fitting	4	4
14	83004	F	Spring	1	1	57	10195	F	Shear Bolt	2	2
15	22086	S	Clutch Lever	1	1	58	10181	S	Flange	1	1
16	522006	S	Deflector	1	1	59	10108	S	Gasket	1	1
17	72056	F	Belt	1	1	60	58030	M	Roll Pin 3/16 x 1-1/2	2	2
18	60012	M	Setscrew 5/16-18 x 3/8	2	2	61	58022	M	Roll Pin 5/16 x 1-3/8	1	1
19	65040	F	Locknut 1/4-20	3	3	62	10180	S	Gear Case	1	1
20	10142	M	Bearing Flange	1	1	63	70012	M	Flange Whizlock Screw 1/4-20 x 3/4	5	5
21	73036	M	Sheave	1	1	64	56061	F	Seal	2	2
22	65015	F	Nut 5/16-18	3	3	65	22102	S	Front Gear Shaft 20"	1	
23	22081	S	Control Crank	1	1	65	10299	S	Front Gear Shaft 24"		1
24	62026	F	Carriage Bolt 5/16-18 x 5/8	5	5	*66	10183	M	Helicon Gear	1	1
25	75039	S	Grip	1	1	67	1138	M	Pipe Plug	2	2
26	10198	M	Cap	1	1	68	58007	M	Roll Pin 1/4 x 1-1/4	3	3
27	22065	S	Bracket	1	1	69	22104	O	Fan	1	1
28	62022	F	Carriage Bolt 5/16-18 x 1-3/8	1	1	70	56062	F	Seal	1	1
29	10389	S	Idler Arm	1	1	71	10371	S	Adjustment Plug	1	1
30	12131	M	Bearing Spacer	1	1	72	54044	M	Bearing Cup	2	2
31	3254	S	Wave Washer	1	1	73	66003	F	Key No. 9 Woodruff	1	1
32	63018	M	Internal Lockwasher	1	1	*74	22103	M	Helicon Pinion Shaft	1	1
33	59002	M	Cap Screw 5/16-18 x 5/8	1	1	75	57032	S	Snap Ring	1	1
34	12132	M	Idler	1	1	76	54045	M	Bearing Cone	2	2
35	10165	F	Runner	2	2	77	10107	S	Bearing Spacer	1	1
36	22080	O	Blower Housing 20"	1	1	78	522003	S	L.H. Rake 20"	1	
36	22116	O	Blower Housing 24"	1	1	78	522005	S	L.H. Rake 24"		1
37	70031	M	Flange Whizlock Screw 3/8-16 x 3/4	2	2	79	70026	M	Nut Retainer	2	2
38	22123	M	Worm Clevis	1	1	80	522001	S	Gear Case Assembly 20"	1	
39	22110	M	Worm Gear	1	1	80	522008	S	Gear Case Assembly 24"		1
40	58034	M	Roll Pin 1/8 x 3/4	1	1	81	62011	M	Carriage Bolt 5/16-18 x 3/4	1	1
41	63023	M	Lockwasher	1	1	82	78174	O	Ariens Name Plate	1	1
42	64046	M	Washer 1.005 I.D. x 1.505 O.D. x 1/16	2	2		78185	O	Patent Label (Not Illus.)	1	1
43	70011	M	Ribbed Neck Bolt 1/4-20 x 5/8	6	6	83	78222	O	Caution Label	1	1
44	65056	F	Locknut 1/4-20 Flange Whizlock	6	6						
45	63006	F	Lockwasher 1/2 Std.	2	2						

*10183 and 22103 is sold in a set only

SUGGESTED PARTS STOCKING CODE

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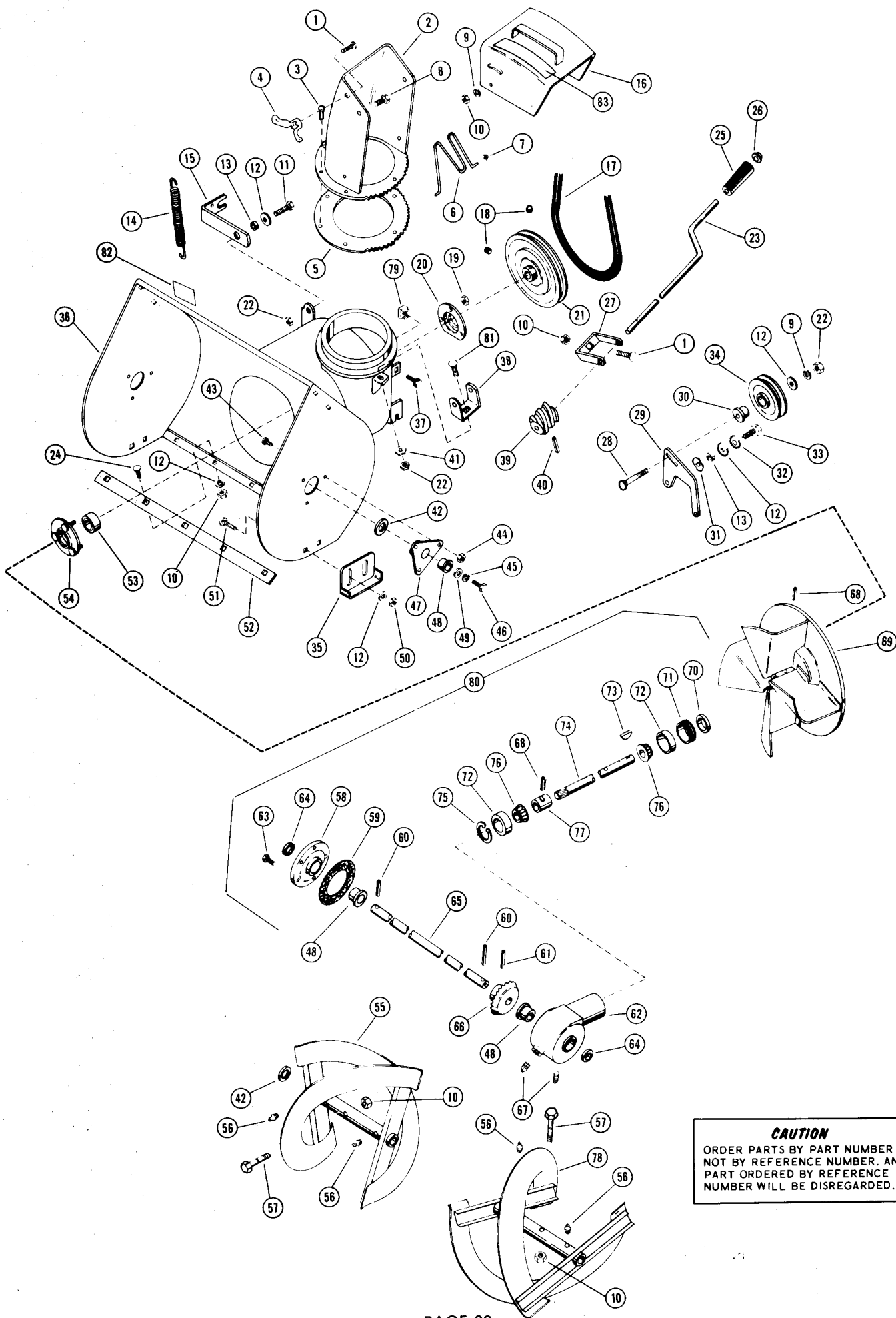
TRACTOR PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	NO.	REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO.	REQ'D.
			922006	922007				922006	922007
1	59069	Cap Screw 5/16-18 x 1-3/4	1	1	75	22017	Axle Shaft	1	1
2	64007	Washer 1/4" Std.	3	3	76	58009	Roll Pin 1/8 x 1	2	2
3	6071	Spacer	1	1	77	22054	Retainer Plate	2	2
4	22073	Handle Pivot	1	1	78	22011	Pinion	1	1
5	22074	U-Bolt	1	1	79	10211	Spur Gear	1	1
6	22028	Fastener	1	1	80	22040	Cover	1	1
7	75001	Shift Ball	1	1	81	63002	Lockwasher 1/4 Std.	5	5
8	22044	Shift Handle	1	1	82	22076	Upper Handle Bar L.H.	1	1
9	22034	Shift Rod	1	1	83	67014	Cotter Pin 1/8 x 1-1/4	2	2
10	83090	Spring	1	1	84	75013	Grip	1	1
11	65042	Locknut 5/16-18	8	8	85	71075	Wheel	2	
12	22082	Handle Bar Bracket	1	1	85	622004	Tire and Wheel Assembly Consists Of		2
13	59001	Cap Screw 1/4-20 x 3, 4	1	1		71080	Tire (Only Carlisle turf saver tread available)	1	
14	69085	Throttle Control	1	1		71085	Tube	1	
15	62021	Carriage Bolt 1/4-20 x 1-1 2	4	4		71093	Side Plate	1	
16	65040	Locknut 1/4-20	6	6		71095	Side Plate	1	
17	22118	Inner Belt Cover	1	1		59099	Cap Screw	3	
18	66015	Key #5 Woodruff	1	1		63021	Lockwasher	3	
19	22049	Camshaft Sheave	1	1		65018	Nut	3	
20	60014	Setscrew 1/4-20 x 1 4 Socket Head	2	2	86	74025	Tapite 5, 16-18 x 1/2	3	3
21	60012	Setscrew 5/16-18 x 3 8 Socket Head	2	2	87	70011	Ribbed Neck Bolt	6	6
22	66013	Key SAE 1035	1	1	88	70032	Wheel Bolt	6	
23	22007	Belt Finger	1	1	89	20084	Wheel Hub		2
24	59053	Cap Screw 5, 16-24 x 3 4	1	1	89	22018	Wheel Hub	2	
25	63003	Lockwasher 5, 16 Std.	2	2	90	12023	Bearing Support	2	2
26	59028	Cap Screw 1, 4-20 x 1 2	7	7	91	66006	Key #3 Woodruff	2	2
27	64001	Washer 3, 16 Std.	6	6	92	22004	Spindle	1	1
28	22117	Outer Belt Cover	1	1	93	22005	Drive Disc	1	1
29	55048	Sleeve Bushing	1	1	94	22051	Rod Adapter	1	1
30	22047	Idler	1	1	95	3279	Spacer	1	1
31	22053	Idler Shaft	1	1	96	22003	Drive Spindle Housing	1	1
32	68045	Rivet	1	1	97	22030	Deadman Lever	1	1
33	64065	Washer .268 I.D. x 9 16 O.D. x 3 64	1	1	98	59082	Cap Screw 1 4-20 x 3 4	1	1
34	64037	Washer 9 32 I.D. x 1-1 4 O.D. x 1 16	1	1	99	22025	Deadman Bracket	1	1
35	67001	Cotter Pin 3 32 x 3 4	4	4	100	22006	Bearing Spacer	1	1
36	22050	Idler Arm	1	1	101	22002	Spindle Housing	1	1
37	10294	Sheave	1	1	102	22048	Drive Sheave	1	1
38	12086	Cap	4	4	103	72023	Belt (Matched pairs only)	2	2
39	70009	Flange Whizlock Screw 5 16-18 x 1 2	8	8	104	3034	Roller	2	2
40	62009	Carriage Bolt 5 16-18 x 1 2	2	2	105	59003	Cap Screw 5 16-18 x 1	2	2
41	59104	Cap Screw 1 4-20 x 3 8	3	3	106	10376	Ratchet Plate	1	1
42	63017	Lockwasher External	3	3	107	22012	Adjustment Link	1	1
43	65054	Locknut 1 2-20	3	3	108	83026	Idler Spring	1	1
44	22013	Friction Disc	1	1	109	10289	Eye Bolt	1	1
45	22014	Friction Disc Hub	1	1	110	22064	Fork	1	1
46	22020	R.H. Lower Handle Bar	1	1	111	3376	Spindle Cup	2	2
47	65056	Locknut 1, 4-20 Flange Whizlock	10	10	112	3377	Hub Cap	2	2
48	22075	Upper Handle Bar R.H.	1	1	113	83004	Spring	1	1
49	22071	Clutch Handle	1	1	114	65042	Locknut		6
50	75006	Grip	2	2	115	22079	Clutch Lever Rod	1	1
51	22072	Clutch Rod	1	1	116	64052	Washer	1	1
52	59050	Cap Screw 1, 4-20 x 1-1 2	1	1	117	22077	Support Bracket	1	1
53	22021	L.H. Lower Handle Bar	1	1	118	622010	Universal Joint	1	1
54	10247	Ball Joint	1	1	119	61034	Machine Screw	1	1
55	64002	Washer 5, 16 Std.	1	1	120	63022	Ext. Lockwasher	1	1
56	22029	Bushing	1	1	121	65041	Locknut	2	2
57	22035	Shift Lever	1	1	122	67004	Cotter Pin	1	1
58	65043	Locknut 5, 16-24	1	1	123	22078	Clutch Handle	1	1
59	62024	Carriage Bolt 5 16-18 x 2	1	1	124	59039	Cap Screw		6
60	22038	Shift Link	1	1	125	58034	Roll Pin	1	1
61	64058	Washer .500 .505 I.D. x O.D. x .062	6	6					
62	22042	Bearing Retainer	4	4	78059	Caution Shift Label (Not Illus.)		1	1
63	54080	Ball Bearing	4	4	78060	Shift Label (Not Illus.)		1	1
64	22008	Carrier	1	1	78061	Handle Bar Decal (Not Illus.)		1	1
65	58016	Roll Pin 3/16 x 1	1	1	78193	5 H.P. Engine Decal (Not Illus.)			1
66	68025	Pop Rivet	12	12	78221	4 H.P. Engine Decal (Not Illus.)		1	
67	22010	Hex Shaft	1	1	78224	In-Out Label (Not Illus.)		1	1
68	68031	Pop Rivet	8	8					
69	22015	Bearing Retainer	2	2					
70	55039	Flange Bushing	4	4					
71	22085	Tractor Frame	1	1					
72	22009	Shaft	2	2					
73	66011	Key 3, 16 x 3, 16 x 1-1, 4	2	2					
74	66012	Key #91 Woodruff	1	1					

CAUTION

ORDER PARTS BY PART NUMBER
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• ORDER REPLACEMENT ENGINE
AND/OR ENGINE REPLACEMENT
PARTS FROM YOUR NEAREST
ENGINE SERVICE CENTRAL.

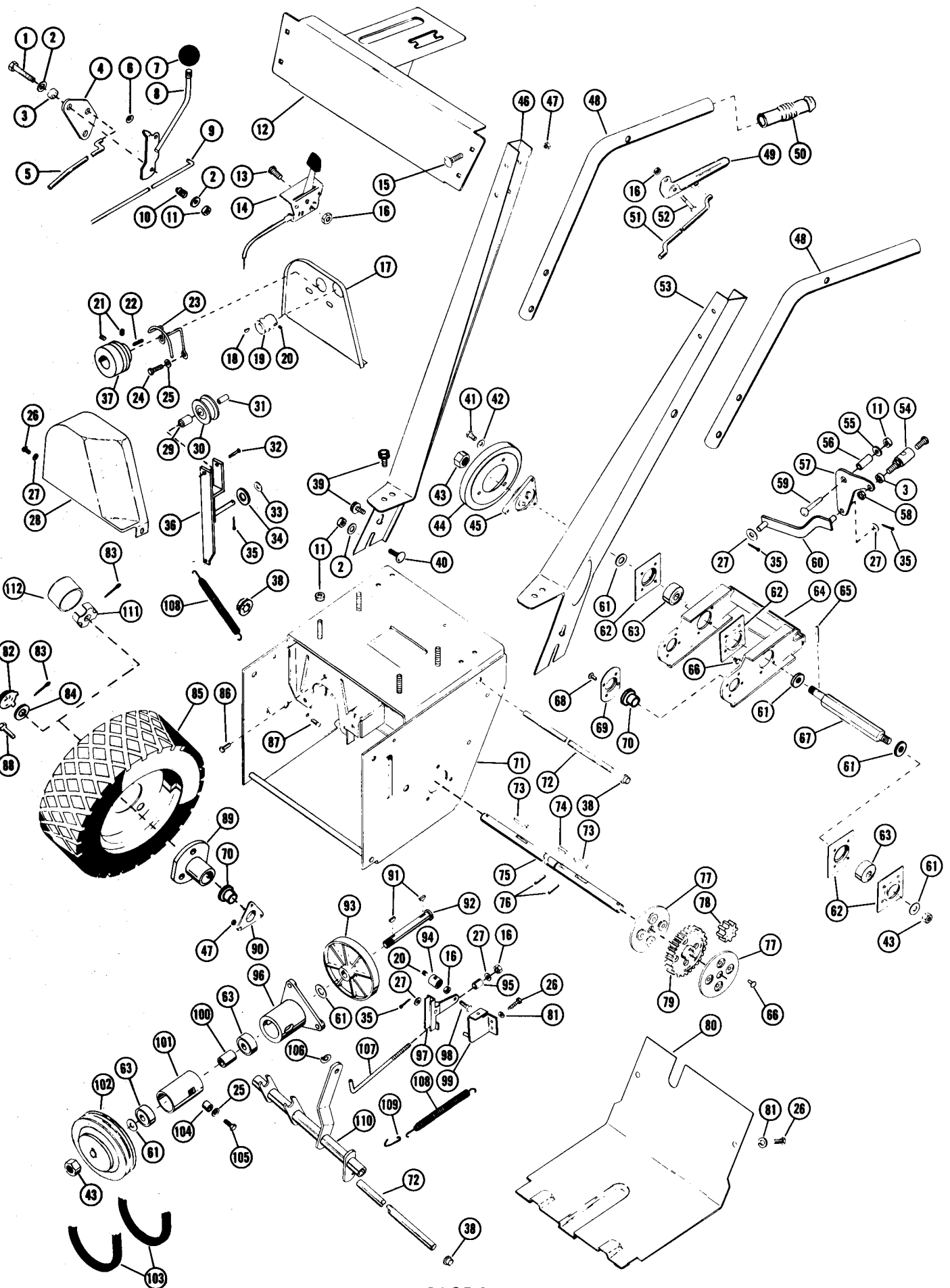


CAUTION
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BLOWER PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
			922003 922006 922008				922003 922006 922008
1	62009	Carriage Bolt 5/16-18 x 1/2	2	44	65056	Locknut 1/4-20 Flange Whizlock	6
2	22113	Discharge Chute	1	45	63006	Lockwasher 1/2 Std.	2
3	68044	Pop Rivet	6	46	59024	Cap Screw 1/2-13 x 1	2
4	11012	Wing Nut	1	47	10184	Bearing Support	2
5	22119	Lower Collar Gear	1	48	55035	Flange Bushing	4
6	22112	Safety Wire	1	49	64047	Washer .511 I.D. x 1.441 O.D. x 1, 8	2
7	22122	Pushnut	2	50	65039	Locknut 3/8-16	4
8	59039	Cap Screw 5/16-18 x 1/2	2	51	62010	Carriage Bolt 3/8-16 x 3/4	4
9	63003	Lockwasher 5/16 Std.	3	52	22107	Scraper Blade	1
10	65042	Locknut 5/16-18	10	53	54063	Ball Bearing	1
11	59022	Cap Screw 5/16-18 x 3/4	1	54	3017	Bearing Flange	1
12	64002	Washer 5/16 Std.	12	55	22120	R.H. Rake	1
13	6071	Spacer	2	56	10354	Zerk Fitting	4
14	83004	Spring	1	57	10195	Shear Bolt	2
15	22086	Clutch Lever	1	58	10181	Flange	1
16	22114	Deflector	1	59	10108	Gasket	1
17	72056	Belt	1	60	58030	Roll Pin 3/16 x 1-1/2	2
18	60012	Setscrew 5/16-18 x 3/8	2	61	58022	Roll Pin 5/16 x 1-3/8	1
19	65040	Locknut 1/4-20	3	62	10180	Gear Case	1
20	10142	Bearing Flange	1	63	70012	Flange Whizlock Screw 1/4-20 x 3/4	5
21	73036	Sheave	1	64	56061	Seal	2
22	65015	Nut 5/16-18	3	65	22102	Front Gear Shaft	1
23	22081	Control Crank	1	*66	10183	Helicon Gear	1
24	62026	Carriage Bolt 5/16-18 x 5/8	5	67	1138	Pipe Plug	2
25	75039	Grip	1	68	58007	Roll Pin 1/4 x 1-1/4	3
26	10198	Cap	1	69	22104	Fan	1
27	22065	Bracket	1	70	56062	Seal	1
28	62022	Carriage Bolt 5/16-18 x 1-3/8	1	71	10371	Adjustment Plug	1
29	10389	Idler Arm	1	72	54044	Bearing Cup	2
30	12131	Bearing Spacer	1	73	66003	Key #9 Woodruff	1
31	3254	Wave Washer	1	*74	22103	Helicon Pinion Shaft	1
32	63018	Internal Lockwasher	1	75	57032	Snap Ring	1
33	59002	Cap Screw 5/16-18 x 5/8	1	76	54045	Bearing Cone	2
34	12132	Idler	1	77	10107	Bearing Spacing	1
35	10165	Runner	2	78	22121	L.H. Rake	1
36	22080	Blower Housing 20"	1	79	70026	Nut Retainer	2
37	70031	Flange Whizlock Screw 3/8-16 x 1/2	2	80	522001	Gear Case Assembly	1
38	22123	Worm Clevis	1	78174		Ariens Name Plate (Not Illus.)	1
39	22110	Worm Gear	1	78185		Patent Label (Not Illus.)	1
40	58034	Roll Pin 1/8 x 3/4	1	78222		Caution Label (Not Illus.)	1
41	63023	Lockwasher	1	78224		In-Out Label (Not Illus.)	1
42	64046	Washer 1.005 I.D. x 1.505 O.D. x 1/16	2	81	62011	Carriage Bolt 5/16-18 x 3/4	1
43	70011	Ribbed Neck Bolt 1/4-20 x 5/8	6				

*10183 and 22103 is sold in a set only



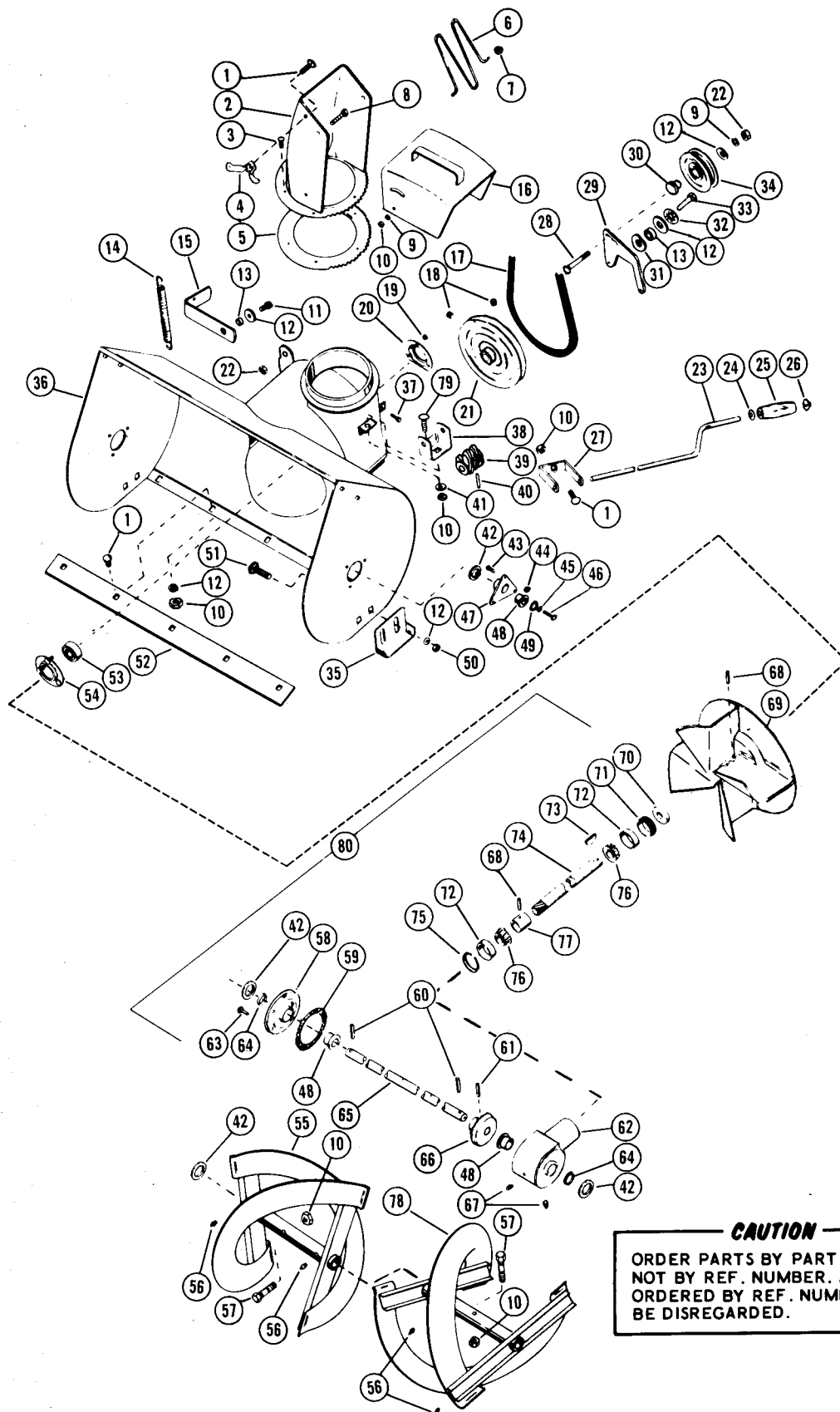
TRACTOR PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
			922002 922999				922002 922999
1	59073	Cap Screw 5/16-18 x 1-3/4	1 1	62	22042	Bearing Retainer	4 4
2	64007	Washer 1/4" Std.	4 4	63	54080	Ball Bearing	4 4
3	6071	Spacer	2 2	64	22008	Carrier	1 1
4	22059	Link	1 1	65	58016	Roll Pin 3/16 x 1	1 1
5	22058	Lower Clutch Rod	1 1	66	68025	Pop Rivet	12 12
6	22028	Fastener	1 1	67	22010	Hex Shaft	1 1
7	75001	Shift Ball	1 1	68	68031	Pop Rivet	8 8
8	22044	Shift Handle	1 1	69	22015	Bearing Retainer	2 2
9	22034	Shift Rod	1 1	70	55039	Flange Bushing	4 4
10	83029	Spring	1 1	71	22066	Tractor Frame	1 1
11	65042	Locknut 5/16-18	8 8	72	22009	Shaft	2 2
12	22060	Handle Bar Bracket	1 1	73	66011	Key 3/16 x 3/16 x 1-1/4	2 2
13	59001	Cap Screw 1/4 - 20 x 3/4	1 1	74	66012	Key #91 Woodruff	1 1
14	69032	Throttle Control	1 1	* 75	22017	Axle Shaft	1 1
15	62021	Carriage Bolt 1/4 - 20 x 1-1/2	4 4	* 75	22069	Axle Shaft	1 1
16	65040	Locknut 1/4 - 20	4 4	76	58009	Roll Pin 1/8 x 1	2 2
17	22118	Inner Belt Cover	1 1	77	22054	Retainer Plate	2 2
18	66015	Key #5 Woodruff	1 1	78	22011	Pinion	1 1
19	22049	Camshaft Sheave	1 1	79	10211	Spur Gear	1 1
20	60014	Setscrew 1/4-20 x 1/4 Socket Head	2 2	80	22040	Cover	1 1
21	60012	Setscrew 5/16-18 x 3/8 Socket Head	2 2	81	63002	Lockwasher 1/4 Std.	5 5
22	66013	Key SAE 1035	1 1	82	10288	Hub Cap	2 2
23	22007	Belt Finger	1 1	83	67014	Cotter Pin 1/8 x 1-1/4	2 2
24	59053	Cap Screw 5/16-24 x 3/4	2 2	84	64042	Washer .751/.757 I.D. x 2 O.D. x 1/8	2 2
25	63003	Lockwasher 5/16 Std.	4 4	85	71075	Wheel	2 2
26	59028	Cap Screw 1/4-20 x 1/2	7 7	86	74025	Taptite #10-24 x 3/8	3 3
27	64001	Washer 3/16 Std.	6 6	87	70011	Ribbed Neck Bolt	6 6
28	22117	Outer Belt Cover	1 1	88	70005	Wheel Bolt	6 6
29	55048	Sleeve Bushing	1 1	* 89	22018	Wheel Hub	2 2
30	22047	Idler	1 1	* 89	22070	Wheel Hub	2 2
31	22053	Idler Shaft	1 1	90	12023	Bearing Support	2 2
32	68045	Rivet	1 1	91	66006	Key #3 Woodruff	2 2
33	64065	Washer .268 I.D. x 9/16 O.D. x 3/64	1 1	92	22004	Spindle	1 1
34	64037	Washer 9/32 I.D. x 1-1/4 O.D. x 1/16	1 1	93	22005	Drive Disc	1 1
35	67001	Cotter Pin 3/32 x 3/4	4 4	94	22051	Rod Adapter	1 1
36	22050	Idler Arm	1 1	95	3279	Spacer	1 1
37	10294	Sheave	1 1	96	22003	Drive Spindle Housing	1 1
38	12086	Cap	4 4	97	22030	Deadman Lever	1 1
39	70009	Flange Whizlock Screw 5/16-18 x 1/2	6 6	98	59082	Cap Screw 1/4-20 x 3/4	1 1
40	62009	Carriage Bolt 5/16-18 x 1/2	2 2	99	22025	Deadman Bracket	1 1
41	59104	Cap Screw 1/4-20 x 3/8	3 3	100	22006	Bearing Spacer	1 1
42	63017	Lockwasher External	3 3	101	22002	Spindle Housing	1 1
43	65054	Locknut 1/2-20	3 3	102	22048	Drive Sheave	1 1
44	22013	Friction Wheel	1 1	103	72023	Belt (Matched pairs only)	2 2
45	22014	Friction Wheel Hub	1 1	104	3034	Roller	2 2
46	22020	R. H. Lower Handle Bar	1 1	105	59003	Cap Screw 5/16-18 x 1	2 2
47	65056	Locknut 1/4-20 Flange Whizlock	10 10	106	10376	Ratchet Plate	1 1
48	22055	Upper Handle Bar	2 2	107	22012	Adjustment Link	1 1
49	2038	Clutch Handle	1 1	108	83026	Idler Spring	2 2
50	75006	Grip	2 2	109	22045	Spring Hook	1 1
51	22057	Upper Clutch Rod	1 1	110	22064	Fork	1 1
52	59050	Cap Screw 1/4-20 x 1-1/2	1 1	111	3376	Spindle Cup	2 2
53	22021	L. H. Lower Handle Bar	1 1	112	3377	Hub Cap	2 2
54	10247	Ball Joint	1 1		78033	4 H.P. Engine Decal (Not Illus.)	1 1
55	64002	Washer 5/16 Std.	1 1		78059	Caution Shift Label (Not Illus.)	1 1
56	22029	Bushing	1 1		78060	Shift Label (Not Illus.)	1 1
57	22035	Shift Lever	1 1		78061	Handle Bar Decal (Not Illus.)	1 1
58	65043	Locknut 5/16-24	1 1				
59	62024	Carriage Bolt 5/16-18 x 2	1 1				
60	22038	Shift Link	1 1				
61	64058	Washer .500/.505 I.D. x 1 O.D. x .062	6 6				

* Use 22017 axle shaft and 22018 wheel hub on Model 922002 before serial number 000401.

CAUTION

ORDER PARTS BY PART NUMBER
NOT BY REF. NUMBER. ANY PART
ORDERED BY REF. NUMBER WILL
BE DISREGARDED.



CAUTION

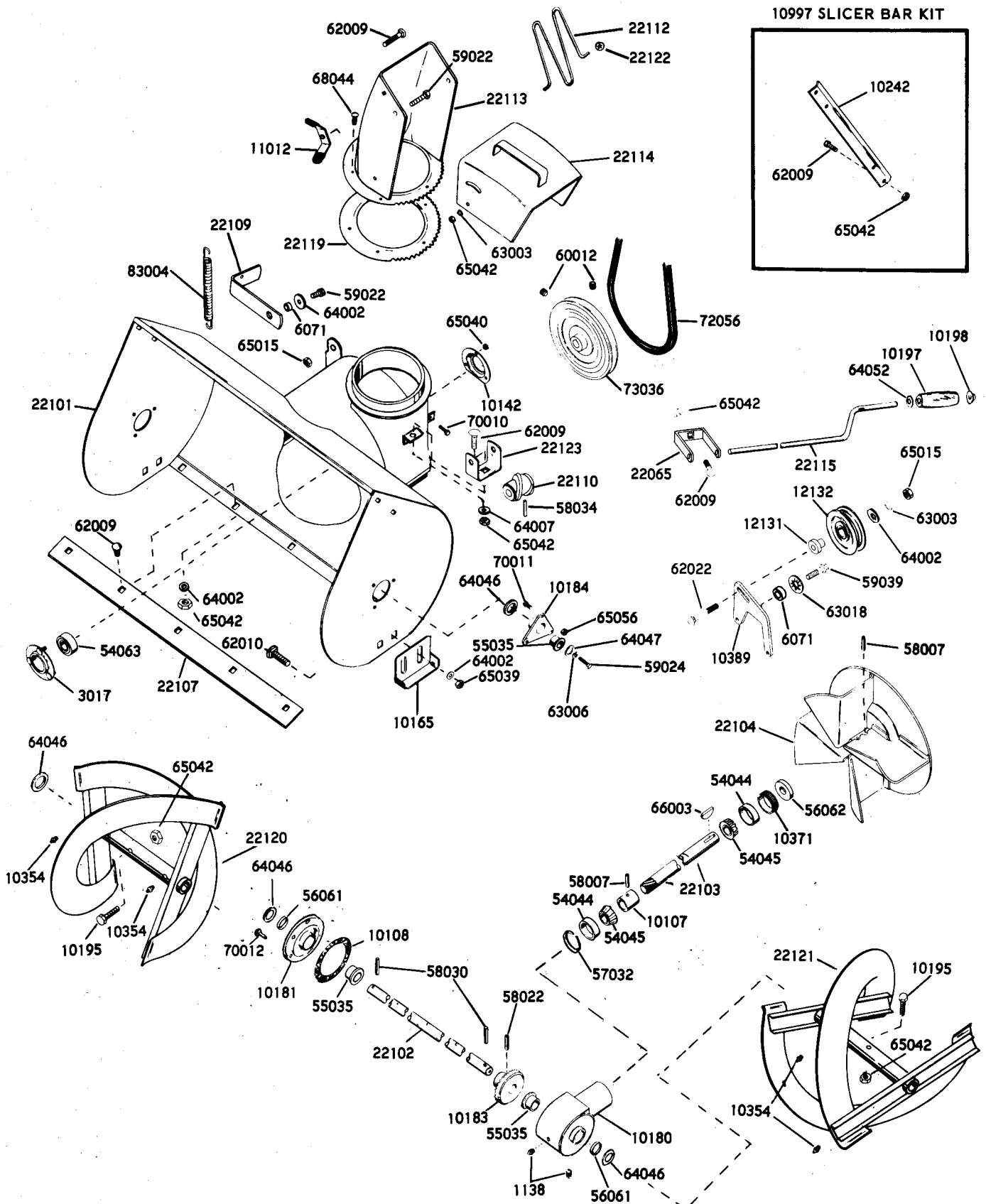
ORDER PARTS BY PART NUMBER
NOT BY REF. NUMBER. ANY PART
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BE DISREGARDED.

BLOWER PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D		REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D	
			922002	922999				922002	922999
1	62009	Carriage Bolt 5/16-18 x 1/2	7	7	42	64046	Washer 1.005 I.D. x 1.505 O.D. x 1/16	4	4
2	22113	Discharge Chute	1	1	43	70011	Ribbed Neck Bolt 1/4-20 x 5/8	6	6
3	68044	Pop Rivet	6	6	44	65056	Locknut 1/4-20 Flange Whizlock	6	6
4	11012	Wing Nut	1	1	45	63006	Lockwasher 1/2 Std.	2	2
5	22119	Lower Collar Gear	1	1	46	59024	Cap Screw 1/2-13 x 1	2	2
6	22112	Safety Wire	1	1	47	10184	Bearing Support	2	2
7	22122	Pushnut	2	2	48	55035	Flange Bushing	4	4
8	59039	Cap Screw 5/16-18 x 1/2	2	2	49	64047	Washer .511 I.D. x 1.441 O.D. x 1/8	2	2
9	63003	Lockwasher 5/16 Std.	3	3	50	65039	Locknut 3/8-16	4	4
10	65042	Locknut 5/16-18	11	11	51	62010	Carriage Bolt 3/8-16 x 3/4	4	4
11	59022	Cap Screw 5/16-18 x 3/4	1	1	52	22107	Scraper Blade	1	1
12	64002	Washer 5/16 Std.	12	12	53	54063	Ball Bearing	1	1
13	6071	Spacer	2	2	54	3017	Bearing Flange	1	1
14	83004	Spring	1	1	55	22120	R. H. Rake	1	1
15	22109	Clutch Lever	1	1	56	10354	Hydraulic Drive Fitting	4	4
16	22114	Deflector	1	1	57	10195	Shear Bolt	2	2
17	72056	Belt	1	1	58	10181	Flange	1	1
18	60012	Setscrew 5/16-18 x 3/8	2	2	59	10108	Gasket	1	1
19	65040	Locknut 1/4-20	3	3	60	58030	Roll Pin 3/16 x 1-1/2	2	2
20	10142	Bearing Flange	1	1	61	58022	Roll Pin 5/16 x 1-3/8	1	1
21	73036	Sheave	1	1	62	10180	Gear Case	1	1
22	65015	Nut 5/16-18	2	2	63	70012	Flange Whizlock Screw 1/4-20 x 3/4	5	5
23	22115	Control Crank	1	1	64	56061	Seal	2	2
24	64052	Washer .380 I.D. x 13/16 O.D. x 24 Ga. .385	1	1	65	22102	Front Gear Shaft	1	1
25	10197	Grip	1	1	* 66	10183	Helicon Gear	1	1
26	10198	Cap	1	1	67	1138	Pipe Plug	2	2
27	22065	Bracket	1	1	68	58007	Roll Pin 1/4 x 1-1/4	3	3
28	62022	Carriage Bolt 5/16-18 x 1-3/8	1	1	69	22104	Fan	1	1
29	10389	Idler Arm	1	1	70	56062	Seal	1	1
30	12131	Bearing Spacer	1	1	71	10371	Adjustment Plug	1	1
31	3254	Wave Washer	1	1	72	54044	Bearing Cup	2	2
32	63018	Internal Lockwasher	1	1	73	66003	Key #9 Woodruff	1	1
33	59002	Cap Screw 5/16-18 x 5/8	1	1	* 74	22103	Helicon Pinion Shaft	1	1
34	12132	Idler	1	1	75	57032	Snap Ring	1	1
35	10165	Runner	2	2	76	54045	Bearing Cone	2	2
36	22101	Blower Housing	1	1	77	10107	Bearing Spacing	1	1
37	70010	Flange Whizlock Screw 3/8-16 x 1/2	2	2	78	22121	L. H. Rake	1	1
38	22123	Worm Clevis	1	1	79	62011	Carriage Bolt 5/16-18 x 3/4	1	1
39	22110	Worm Gear	1	1	80	522001	Gear Case Assembly	1	1
40	58034	Roll Pin 1/8 x 3/4	1	1		78010	Helicon Patent Label	1	1
41	64007	Washer 1/4" Std.	1	1		78014	Caution Label	1	1
						78058	In-Out Label	1	1

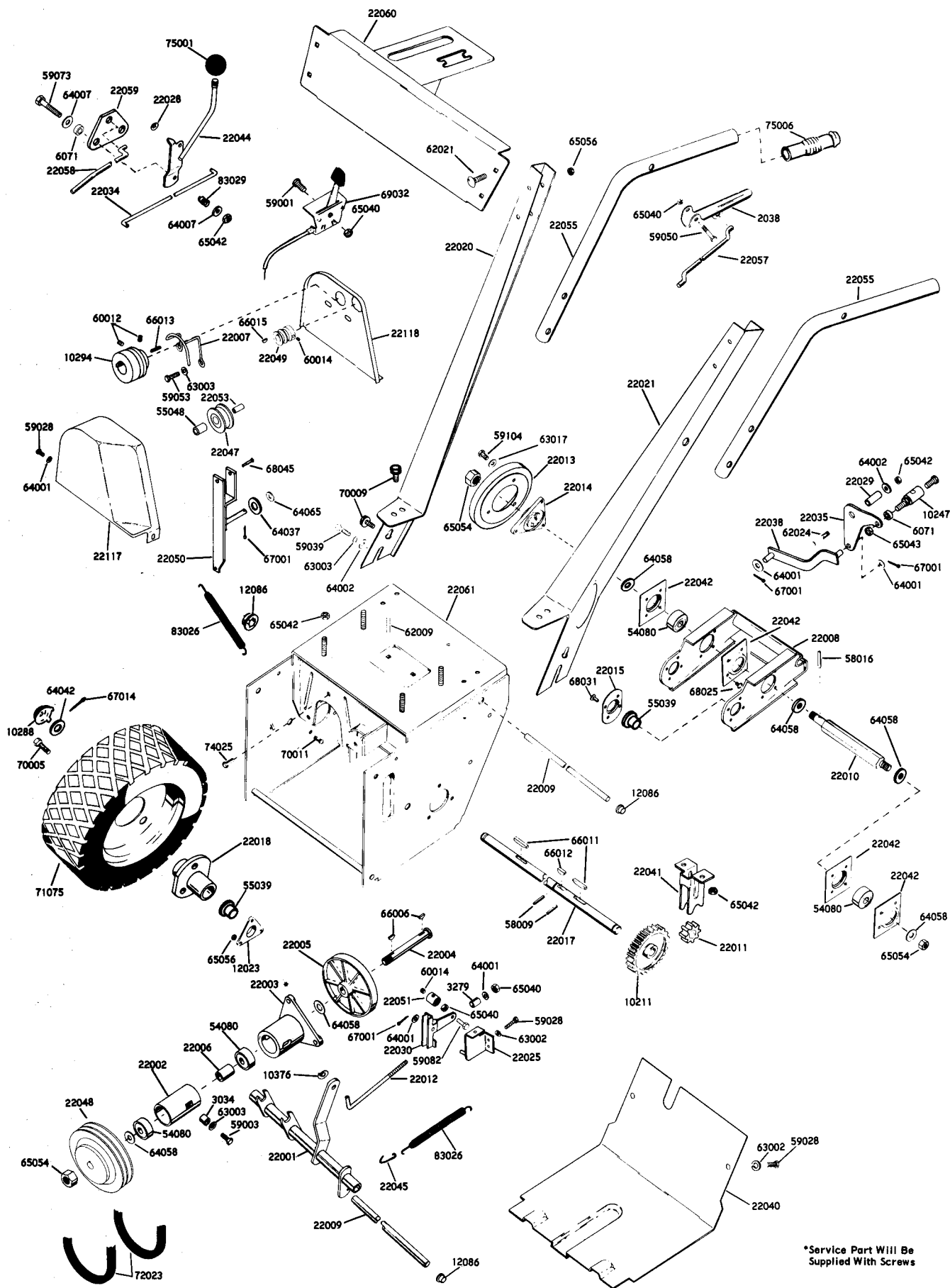
*10183 and 22103 is sold in a set only

10997 SLICER BAR KIT



BLOWER PARTS LIST

Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1138	Pipe Plug	2	55035	Flange Bushing	4
3017	Bearing Flange	1	56061	Seal	2
6071	Spacer	2	56062	Seal	1
10107	Bearing Spacing	1	57032	Snap Ring	1
10108	Gasket	1	58007	Roll Pin 1/4" x 1-1/4"	3
10142	Bearing Flange	1	58022	Roll Pin 5/16" x 1-3/8"	1
10165	Runner	2	58030	Roll Pin 3/16" x 1-1/2"	2
10180	Gear Case	1	58034	Roll Pin 1/8" x 3/4"	1
10181	Flange	1	59022	Cap Screw 5/16-18 x 3/4"	3
10183	Helicon Gear	1	59024	Cap Screw 1/2-13 x 1"	2
10184	Bearing Support	2	59039	Cap Screw 5/16-18 x 1/2"	1
10195	Shear Bolt	2	60012	Setscrew 5/16-18 x 3/8"	2
10197	Grip	1	62009	Carriage Bolt 5/16-18 x 1/2"	8
10198	Cap	1	62010	Carriage Bolt 3/8-16 x 3/4"	4
10354	Hydraulic Drive Fitting	4	62022	Carriage Bolt 5/16-18 x 1-3/8"	1
10371	Adjustment Plug	1	63003	Lockwasher 5/16" Std.	3
10389	Idler Arm	1	63006	Lockwasher 1/2" Std.	2
11012	Wing Nut	1	63018	Internal Lockwasher	1
12131	Bearing Spacer	1	64002	Washer 5/16" Std.	11
12132	Idler	1	64007	Washer 1/4" Std.	1
22065	Bracket	1	64046	Washer 1.005 ID x 1.505 OD x 1/16"	4
22101	Blower Housing	1	64047	Washer .511 ID x 1.441 OD x 1/8"	2
22102	Front Gear Shaft	1	64052	Washer .380 ID x 13/16 OD x 24 Ga.	1
22103	Helicon Pinion Shaft	1		.385	
22104	Fan	1	65015	Nut 5/16-18	2
22107	Scraper Blade	1	65039	Locknut 3/8-16	4
22109	Clutch Lever	1	65040	Locknut 1/4-20	3
22110	Worm Gear	1	65042	Locknut 5/16-18	11
22112	Safety Wire	1	65056	Locknut 1/4-20 Flange Whizlock	6
22113	Discharge Chute	1	66003	Key #9 Woodruff	1
22114	Deflector	1	68044	Pop Rivet	6
22115	Control Crank	1	70010	Flange Whizlock Screw 3/8-16 x 1/2"	2
22119	Lower Collar Gear	1	70011	Ribbed Neck Bolt 1/4-20 x 5/8"	6
22120	R. H. Rake	1	70012	Flange Whizlock Screw 1/4-20 x 3/4"	5
22121	L. H. Rake	1	72056	Belt	1
22122	Pushnut	2	73036	Sheave	1
22123	Worm Clevis	1	78010	Helicon Patent Label (Not Illus.)	1
54044	Bearing Cup	2	78014	Caution Label (Not Illus.)	1
54045	Bearing Cone	2	78058	In-Out Label (Not Illus.)	1
54063	Ball Bearing	1	83004	Spring	1



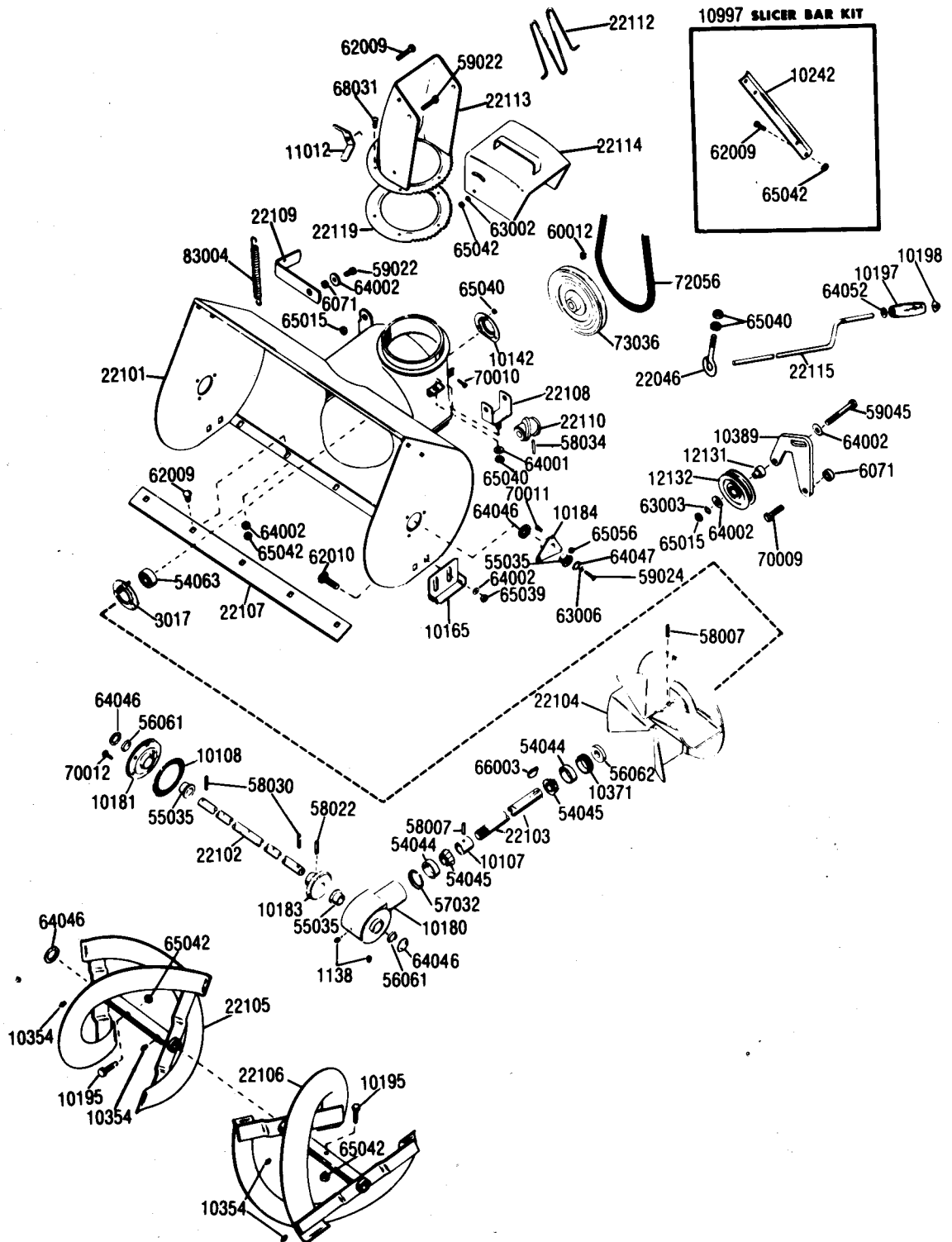
*Service Part Will Be Supplied With Screws

TRACTOR PARTS LIST

Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
2038	Clutch Handle	1	55039	Flange Bushing	4
3034	Roller	2	55048	Sleeve Bushing	1
3279	Spacer	1	58009	Roll Pin 1/8" x 1"	2
6071	Spacer	2	58016	Roll Pin 3/16" x 1"	1
10211	Spur Gear	1	59001	Cap Screw 1/4-20 x 3/4"	1
10247	Ball Joint	1	59003	Cap Screw 5/16-18 x 1"	2
10288	Hub Cap	2	59028	Cap Screw 1/4-20 x 1/2"	7
10294	Sheave	1	59039	Cap Screw 5/16-18 x 1/2"	1
10376	Ratchet Plate	1	59050	Cap Screw 1/4-20 x 1-1/2"	1
12023	Bearing Support	2	59053	Cap Screw 5/16-24 x 3/4"	2
12086	Cap	4	59073	Cap Screw 5/16-18 x 1-3/4"	1
22001	Fork	1	59082	Cap Screw 1/4-20 x 3/4"	1
22002	Spindle Housing	1	59104	Cap Screw 1/4-20 x 3/8"	3
22003	Drive Spindle Housing	1	60012	Setscrew 5/16-18 x 3/8" Soc. Hd.	2
22004	Spindle	1	60014	Setscrew 1/4-20 x 1/4" Soc. Hd.	2
22005	Drive Disc	1	62009	Carriage Bolt 5/16-18 x 1/2"	2
22006	Bearing Spacer	1	62021	Carriage Bolt 1/4-20 x 1-1/2"	4
22007	Belt Finger	1	62024	Carriage Bolt 5/16-18 x 2"	1
22008	Carrier	1	63002	Lockwasher 1/4" Std.	5
22009	Shaft	2	63003	Lockwasher 5/16" Std.	5
22010	Hex Shaft	1	63017	Lockwasher External	3
22011	Pinion	1	64001	Washer 3/16" Std.	6
22012	Adjustment Link	1	64002	Washer 5/16" Std.	2
22013	Friction Wheel	1	64007	Washer 1/4" Std.	2
22014	Friction Wheel Hub	1	64037	Washer 9/32" ID x 1-1/4" OD x 1/16"	1
22015	Bearing Retainer	2	64042	Washer .751/.757 ID x 2" OD x 1/8"	2
22017	Axle Shaft	1	64056	Washer .268 ID x 9/16 OD x 3/64	1
22018	Wheel Hub	2	64058	Washer .500/.505 ID x 1" OD x .062"	6
22020	R. H. Lower Handle Bar	1	65040	Locknut 1/4-20	4
22021	L. H. Lower Handle Bar	1	65042	Locknut 5/16-18	8
22025	Deadman Bracket	1	65043	Locknut 5/16-24	1
22028	Fastener	1	65054	Locknut 1/2-20	3
22029	Bushing	1	65056	Locknut 1/4-20 Flange Whizlock	10
22030	Deadman Lever	1	66006	Key #3 Woodruff	2
22034	Shift Rod	1	66011	Key 3/16" x 3/16" x 1-1/4"	2
22035	Shift Lever	1	66012	Key #91 Woodruff	1
22038	Shift Link	1	66013	Key SAE 1035	1
22040	Cover	1	66015	Key #5 Woodruff	1
22041	Fork	1	67001	Cotter Pin 3/32" x 3/4"	4
22042	Bearing Retainer	4	67014	Cotter Pin 1/8" x 1-1/4"	2
22044	Shift Handle	1	68025	Pop Rivet	8
22045	Spring Hook	1	68031	Pop Rivet	8
22047	Idler	1	68045	Rivet	1
22048	Drive Sheave	1	69032	Throttle Control	1
22049	Camshaft Sheave	1	70005	Wheel Bolt	6
22050	Idler Arm	1	70009	Flange Whizlock Screw 5/16-18 x 1/2"	7
22051	Rod Adapter	1	70011	Ribbed Neck Bolt	6
22053	Idler Shaft	1	71075	Wheel	2
22055	Upper Handle Bar	2	72023	Belt (Matched pairs only)	2
22057	Upper Clutch Rod	1	74025	Taptite #10-24 x 3/8"	3
22058	Lower Clutch Rod	1	75001	Shift Ball	1
22059	Link	1	75006	Grip	2
22060	Handle Bar Bracket	1	78033	4 H.P. Engine Decal (Not Illus.)	1
22061	Tractor Frame	1	78059	Caution Shift Label (Not Illus.)	1
22117	Outer Belt Cover	1	78060	Shift Label (Not Illus.)	1
22118	Inner Belt Cover	1	78061	Handlebar Decal (Not Illus.)	1
54080	Ball Bearing	4	83026	Idler Spring	2
			83029	Spring	1

TRACTOR PARTS LIST

Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
2038	Clutch Handle	1	55039	Flange Bushing	4
3034	Roller	2	55042	Flange Bushing	1
3279	Spacer	1	58009	Roll Pin 1/8 x 1	2
6071	Spacer	1	58016	Roll Pin 3/16 x 1	1
10211	Spur Gear	1	59001	Cap Screw 1/4-20 x 3/4 H.H.	1
10247	Ball Joint	1	59003	Cap Screw 5/16-18 x 1 H.H.	2
10288	Hub Cap	2	59028	Cap Screw 1/4-20 x 1/2 H.H.	5
10294	Engine Sheave	1	59039	Cap Screw 5/16-18 x 1/2 H.H.	1
10376	Ratchet Plate	7	59050	Cap Screw 1/4-20 x 1-1/2 H.H.	1
11034	Idler Shaft	1	59057	Cap Screw 5/16-18 x 2 H.H.	1
12023	Bearing Support	2	60012	Setscrew 5/16-18 x 3/8 Soc. Hd.	2
12086	Cap	4	60014	Setscrew 1/4-20 x 1/4 Soc. Hd.	1
22000	Tractor Frame	1	62021	Carriage Bolt 1/4-20 x 1-1/2 Rd. Hd.	4
22001	Fork	1	63002	Lockwasher 1/4 Std.	5
22002	Spindle Housing	1	63003	Lockwasher 5/16 Std.	5
22003	Drive Spindle Housing	1	64001	Washer 3/16 Wrought	3
22004	Spindle	1	64002	Washer 5/16 Wrought	2
22005	Drive Disc	1	64007	Washer 1/4 Wrought	1
22006	Bearing Spacer	1	64042	Washer .751/.757 ID x 2 OD x 1/8	2
22007	Belt Finger	1	64058	Washer .500/.505 ID x 1 CD x .062	4
22008	Carrier	1	64059	Washer .189/.194 ID x 15/16 OD x 1/16	1
22009	Shaft	2	65034	Locknut 5/8-18 Jam	2
22010	Hex Shaft	1	65040	Locknut 1/4-20 Hex Pltd.	9
22011	Pinion	1	65042	Locknut 5/16-18 Hex Pltd.	5
22012	Adjustment Link	1	65043	Locknut 5/16-24 Hex Pltd.	1
22013	Friction Wheel	1	65054	Locknut 1/2-20 Hex Pltd.	2
22014	Friction Disc Hub	1	65056	Locknut 1/4-20 Flange Whizlock	6
22015	Bearing Retainer	2	66006	Key, Woodruff #3	2
22016	Clutch Link	1	66011	Key 3/16 x 3/16 x 1-1/4	2
22017	Axle Shaft	1	66012	Key, Woodruff #91	1
22018	Wheel Hub	2	66013	Key, SAE 1035	1
22019	Drive Sheave	1	66015	Key, Woodruff #5	1
22020	R. H. Lower Handle Bar	1	67014	Cotter Pin	2
22021	L. H. Lower Handle Bar	1	68023	Rivet	1
22022	R. H. Upper Handle Bar	1	68025	Pop Rivet	8
22023	L. H. Upper Handle Bar	1	68031	Pop Rivet	8
22024	Camshaft Sheave	1	69032	Throttle Control	1
22025	Deadman Bracket	1	70005	Wheel Bolt	6
22028	Fastener	1	70009	Flange Whizlock Screw	7
22029	Bushing	1	70011	Rib Neck Bolt	6
22030	Deadman Lever	1	71075	Wheel	2
22034	Shift Rod	1	72023	Belt	1
22035	Shift Lever	1	74014	Taptite 5/16-18 x 1/2	3
22036	Idler	1	74015	Taptite 1/4-20 x 3/8	3
22037	Idler Arm	1	75001	Shift Ball	1
22038	Shift Link	1	75006	Grip	2
22039	Handle Bar Bracket	1	78033	4 HP Engine Decal (Not Illus.)	1
22040	Cover	1	78059	Caution Shift Label (Not Illus.)	1
22041	Fork	1	78060	Shift Label (Not Illus.)	1
22042	Bearing Retainer	4	78061	Handle Bar Decal (Not Illus.)	1
22044	Shift Handle	1	83026	Idler Spring	2
22045	Spring Hook	1	83029	Spring	1
22117	Outer Belt Cover	1			
22118	Inner Belt Cover	1			



Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1138	Pipe Plug	2	55035	Flange Bushing	4
3017	Bearing Flange	1	56061	Seal	2
6071	Spacer	2	56062	Seal	1
10107	Bearing Spacer	1	57032	Snap Ring	1
10108	Gasket	1	58007	Roll Pin 1/4 x 1-1/4	3
10142	Bearing Flange	1	58022	Roll Pin 5/16 x 1-3/8	1
10165	Runner	2	58030	Roll Pin 3/16 x 1-1/2	2
10180	Gear Case	1	58034	Roll Pin 1/8 x 3/4	1
10181	Flange	1	59022	Cap Screw 5/16-18 x 3/4 H.H.	3
10183	Helicon Gear	1	59024	Cap Screw 1/2-13 x 1 H.H.	2
10184	Bearing Support	2	59045	Cap Screw 5/16-18 x 1-1/2 H.H.	1
10195	Shear Bolt	2	60012	Setscrew 5/16-18 x 3/8	1
10197	Grip	1	62009	Carriage Bolt 5/16-18 x 1/2 Rd. Hd.	6
10198	Cap	1	62010	Carriage Bolt 3/8-16 x 3/4 Rd. Hd.	4
10354	Hydraulic Drive Fitting	4	63002	Lockwasher 1/4 Std.	2
10371	Adjustment Plug	1	63003	Lockwasher 5/16 Std.	1
10389	Idler Arm	1	64001	Washer 3/16 Wrought	1
11012	Wing Nut	1	64002	Washer 5/16 Wrought	12
12131	Bearing Spacer	1	64046	Washer 1 005 ID x 1.505 OD x 1/16	4
12132	Idler	1	64047	Washer .511 ID x 1.441 OD x 1/8	2
22046	Eyebolt	1	64052	Washer .380/.385 ID x 13/16 OD x 24 Ga.	1
22101	Blower Housing	1	65015	Nut 5/16-18 Hex Pltd.	2
22102	Front Gear Shaft	1	65039	Locknut 3/8-16 Hex Pltd.	4
22103	Helicon Pinion Shaft	1	65040	Locknut 1/4-20 Hex Pltd.	4
22104	Fan	1	65042	Locknut 5/16-18 Hex Pltd.	9
22105	R. H. Rake	1	65056	Locknut 1/4-20 Flange Whizlock	6
22106	L. H. Rake	1	66003	Key, Woodruff #9	1
22107	Scraper Blade	1	68031	Pop Rivet	6
22108	Worm Clevis	1	70009	Flange Whizlock Screw	1
22109	Clutch Lever	1	70010	Flange Whizlock Screw	2
22110	Worm Gear	1	70011	Rib Neck Bolt	6
22112	Safety Wire	1	70012	Flange Whizlock Screw	5
22113	Discharge Chute	1	72056	Belt	1
22114	Deflector	1	73036	Sheave	1
22115	Control Crank	1	78010	Helicon Patent Label (Not Illus.)	1
22119	Lower Collar Gear	1	78012	Sno-Thro Label (Not Illus.)	1
54044	Bearing Cup	2	78014	Caution Label (Not Illus.)	1
54045	Bearing Cone	2	78058	In-Out Label (Not Illus.)	1
54063	Ball Bearing	1	83004	Spring	1
54080	Ball Bearing	4			

SERVICE AND ADJUSTMENTS

CONTROLS

- ① **SPEED SELECTOR:** Sets speed of tractor. Change speed or shift to reverse.
- ② **THROTTLE:** Controls engine speed. (Move throttle to fast position after engine has stopped to prevent possible freezing of the throttle in the slow position.)
- ③ **TRACTOR CLUTCH LEVER:** Activates tractor drive. Depress to move tractor, release to disengage drive and stop machine.
- ④ **HAND CRANK:** Turns discharge chute 230° so snow can be thrown away from area being cleared.
- ⑤ **ATTACHMENT CLUTCH:** Activates rakes and impeller.
- ⑥ **CHOKE:** Move choke to choke position to start engine.
- ⑦ **KEY SWITCH:** Prevents unauthorized use. Turn on to run, turn off to stop.
- ⑧ **INTERLOCK LEVER:** Models 922010 thru 922025. To minimize the chances for injury while the auger and blower are operating (Attachment clutch engaged) either the interlock lever or the tractor clutch lever must be depressed or the engine will stop.
- ⑨ **STARTER BUTTON:** The starter button ⑨ is found on all units equipped with electric starters. Plug the 120 volt cord into the starter block; plug the opposite end into a convenience 120 volt outlet. Push the starter button to start the engine.



CAUTION:

A high speed impeller rotates inside this housing to throw the snow. **NEVER** reach or push any object into the discharge chute with the impeller rotating!

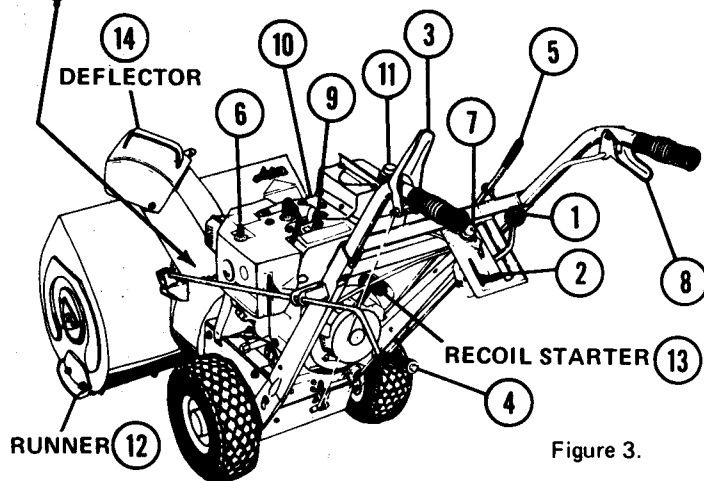


Figure 3.

OPERATION

BEFORE STARTING

Fill crankcase ⑩ with Ariens Sno-Thro oil 5W-20 when using Sno-Thro.

Use Ariens Gard-N-Yard oil MS classification SAE-30 oil when using lawn attachments.

Refer to Engine Manual for appropriate crankcase oil substitutes.

Fill fuel tank ⑪ with fresh, clean, unleaded automotive gasoline. Do not mix oil with gasoline. (Leaded "regular" grade gasoline is an acceptable substitute).

Make visual check with regards to safety precautions, obstructions, lubrication and maintenance.

NOTE: Check for frozen throttle control and for frozen fan before starting engine. These problems arise in wet, slushy snow. If the fan is frozen, it is best freed by thawing in a heated garage or other building. A frozen throttle control may be freed by starting the engine and letting it run long enough to heat up the carburetor and loosen the cable. The best solution for both problems is preventing freezing. Always return the throttle control to FAST position after use. Allow the engine to run for a short time before shutting down to throw the remaining slush and water out of the blower housing and thus prevent freezing of the fan.

TO START

NOTE: If Sno-Thro is equipped with an interlock system for the protection of the operator. Any time the auger and impeller fan are operating (anytime the Attachment Clutch is engaged) either the Interlock Lever on the left handlebar; or the Tractor clutch lever on the right handlebar must be depressed or the engine will stop. **THE OPERATOR MUST REMAIN BEHIND THE HANDLEBARS, HOLDING ONE OR THE OTHER OF THESE LEVERS WHILE THE ATTACHMENT CLUTCH IS ENGAGED.**

Turn key ⑦ to "Run" position.

Move speed selector ① to neutral.

Move attachment clutch ⑤ to out position.

Move choke lever ⑥ to choke position.

Move throttle ② to fast position.

Pull recoil starter ⑬ to start engine. If the machine is equipped with an electric starter attach the starter cable to the starter switch, plug the cable into any convenient 120 volt electrical outlet - and depress the starter button to crank and start the engine. Follow the starter manufacturers instructions supplied with the starter.

Move choke ⑥ to no choke gradually as engine warms up.

TO TRANSPORT

Move attachment clutch ⑤ to out position.

Move speed selector ① to desired speed.
Press down on handle bars to raise front of Sno-thro slightly off the ground.

Depress tractor clutch lever ③ to transport unit.

TO OPERATE

Move deflector ⑭ to desired height.
Turn hand crank ④ to direct discharge chute.
Engage interlock lever ⑧.
Move attachment clutch ⑤ to in position.
Move speed selector ① to desired speed.
Move throttle ② to desired speed.
Depress tractor clutch lever ③ to move tractor.
Speed of the machine is controlled by the throttle and speed selector.
Maximum engine r.p.m. 3550-3650.

TO STOP

Release tractor clutch lever ③. Allow the Sno-Thro to run for a short time to thaw out slush and water and prevent freezing of the fan.

Disengage attachment clutch ⑤.

Disengage interlock lever ⑧.

Turn key ⑦ to "Off" position.

Move throttle to fast after engine has stopped.

MAINTENANCE

Ariens Company recommends that you have adjustments made by your local Ariens dealer. He has the tools and know-how to properly perform these maintenance adjustments which may be required to keep the Sno-Thro operating at peak efficiency. The Sno-Thro is equipped with the finest quality engine obtainable. However, should servicing be required, it can be obtained from an Ariens Dealer or an authorized engine manufacturer's service station. Should you decide to make adjustments on your Sno-Thro yourself, Ariens recommends that you call your dealer for the answers to any questions that might arise in performing this work.

SHEAR BOLT REPLACEMENT

Occasionally a small object may enter the collector and jam the rakes. When this occurs, the shear bolts securing the rakes to the shaft will break and allow the rake to turn freely on the shaft preventing damage to the gear drive. When this happens, turn off the engine, remove wire from spark plug, remove the broken shear bolt and replace with a new ARIENS shear bolt. Use of any other type of shear bolt may result in severe damage to the machine. **USE ONLY ARIENS SHEAR BOLTS FOR REPLACEMENT.**

RUNNERS AND SCRAPER BLADE

The runners ⑫ on each side of the blower housing, and the scraper blade, along the back of the blower housing, are all adjustable to suit conditions. Raising or lowering the runners controls the distance the scraper blade is held above the surface being cleared. Runners are adjusted by loosening the two nuts securing each runner. Move the runner to the desired position and retighten the nuts. Be sure to adjust both

runners to the same height to keep blower housing level. Uneven runners make the machine difficult to steer and will result in an uneven clearing job.

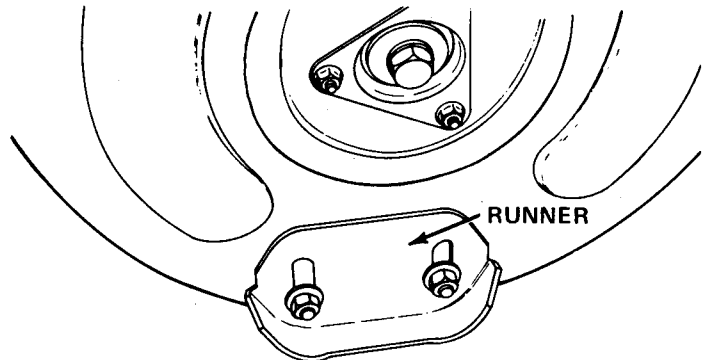


FIGURE 4

Adjustment of the runners is critical to good cleaning. If the machine is to be used on a gravel surface; lower the runners so the blower will not pick up gravel then after the remaining snow is packed down, the runners may be raised for close scraping. On smooth concrete or blacktopped surfaces, the runners may be raised so the scraper blade rests on the surface and scrapes clean.

The scraper is adjustable so it may be lowered to compensate for wear. If the blade is allowed to wear too far the blower housing may be damaged.

DRIVE DISC ADJUSTMENT

NOTE: Before adjusting the drive disc, be sure the clutch lever is adjusted as described in paragraph 3 on page 14, DEALER SET-UP AND PRE-SERVICE.

A drive disc adjustment is provided to compensate for wear on the friction wheel. If slippage occurs when the tractor clutch is engaged, tighten the drive disc adjustment. This adjustment is accessible through a hole in the bottom cover.

See Figure 5. Adjust as follows: Shift to REVERSE. Tip machine forward on blower housing and brace securely. Tighten the adjustment nut while turning the wheels until the wheels begin to bind. Back off 1 ½ turns. Wheels should then turn easily.

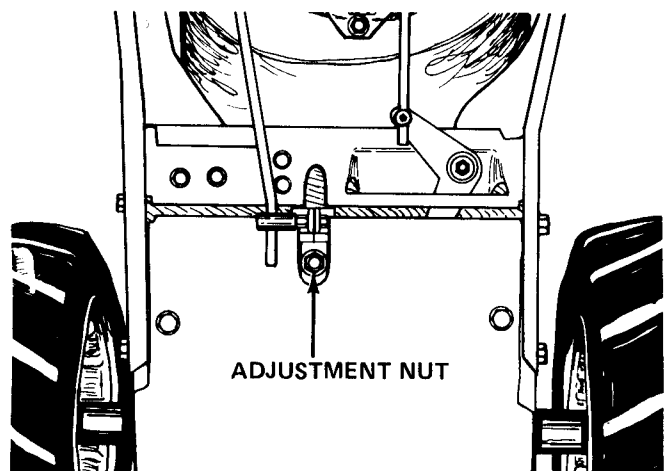


FIGURE 5

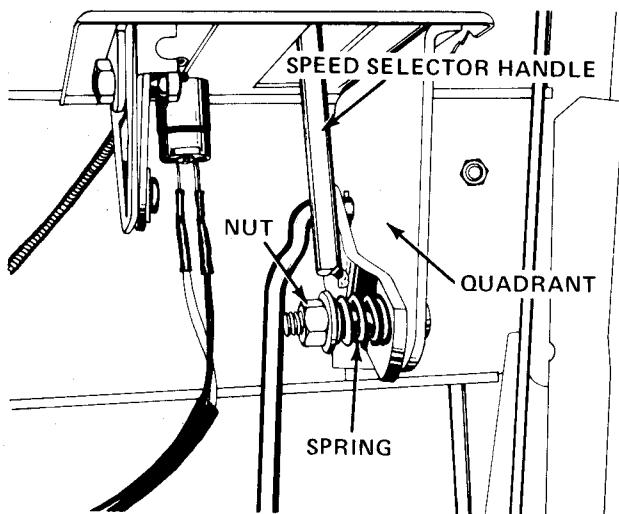


FIGURE 6

SPEED SELECTOR ADJUSTMENT

If the speed selector lever does not remain in position, it may be re-adjusted as follows: Place the shift handle **BETWEEN** holes in the quadrant. Tighten the adjustment nut until the spring is just compressed at the top; then back off the adjustment nut one turn. Check the adjustment by moving the handle through the forward and reverse speeds. Spring should hold the shift handle firmly in position.

CHUTE CRANK ADJUSTMENT

In the event the chute crank fails to rotate freely, loosen the nut securing the worm clevis to the bracket. This hole in the bracket is slotted to permit adjustment. Position the worm so there is a little clearance between worm and the gear teeth on the blower. Tighten the nut. Rotate the discharge chute through its full travel to see that it turns easily. Readjust if required. Lubricate as described under LUBRICATION for smooth operation.



CAUTION:

A high speed impeller rotates inside this housing to throw the snow. **NEVER** reach or push any object into the discharge chute with the impeller rotating!

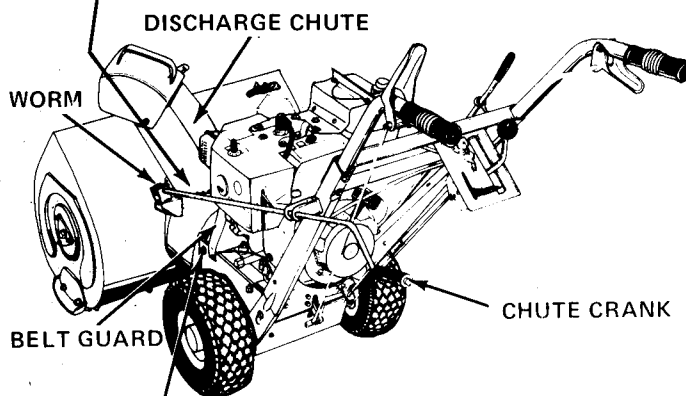


FIGURE 7

TIRE PRESSURE

Check the tire air pressure at least once each season. Maintain the pressure at 12 pounds.

BELT REPLACEMENT



CAUTION: Since replacing the belts will involve turning the engine over with the starter, the spark plug wire must be disconnected during this procedure.

The drive belt and the attachment drive belt are both accessible by removing the blower housing as follows:

1. Remove the nut and washer holding the worm clevis on the bracket. Remove the chute crank by sliding it back in the bracket and out of the way.
2. Remove the two flanged whizlock screws securing the belt guard to the tractor. Remove the belt guard.
3. Remove the cap screw on each side that secures the blower housing to the frame. As the blower housing and tractor are tipped apart, roll the belt off the engine sheave between the sheave and belt finger. This can be easily done by pulling the recoil starter rope to rotate the engine sheave. With the belt disconnected, the blower housing may then be lifted from the frame.

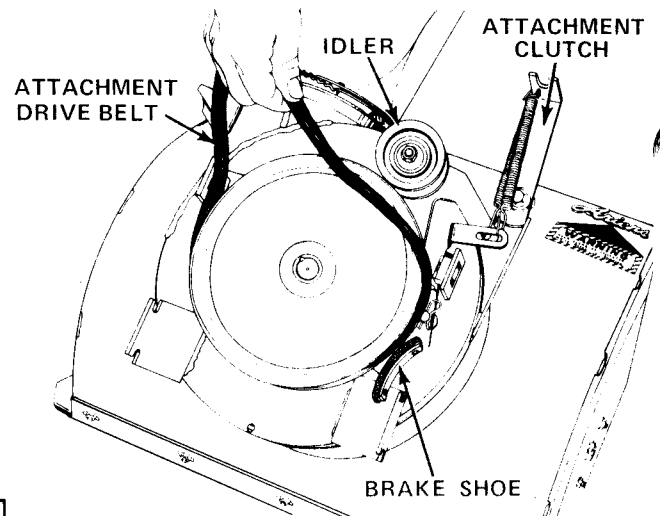


FIGURE 8

REPLACEMENT OF THE ATTACHMENT DRIVE BELT

The sno-thro attachment drive belt is on the sheave on the blower housing. To replace this belt, place the attachment clutch lever in the up position; slip the belt from under the idler; hold the impeller brake away from the belt and slip the belt from the sheave. See Figure 8.

Replace the belt by slipping it into position on the sheave; positioning the brake shoe on the belt and positioning the idler on the belt. Place the attachment clutch lever in the down position before re-installing the blower housing.

REPLACEMENT OF TRACTOR DRIVE BELTS

NOTE: The tractor drive belts are a matched pair of belts. They must always be ordered in pairs and replaced as matched pairs.

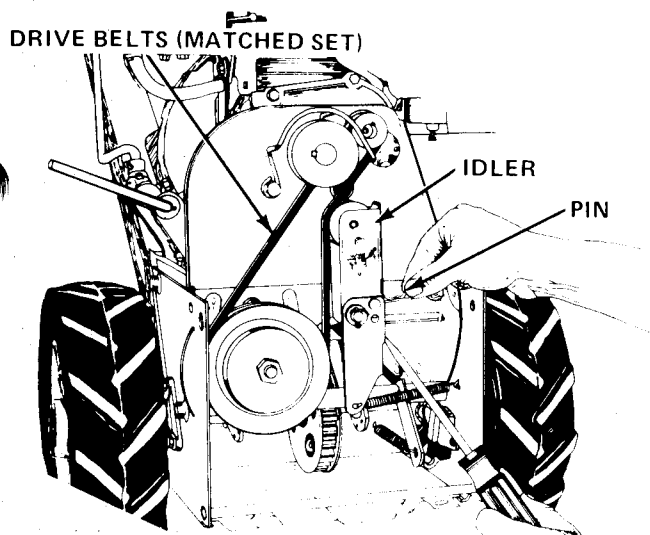


FIGURE 9

The drive belts are held in place on the sheaves by an idler pulley. To free the belts, insert a screwdriver in the idler arm as shown in Figure 9. This will allow the spring to be relieved on the idler arm; pull the hair pin from the clevis and pull out the clevis. The idler arm tension is now relieved and the idler can be folded from the belts and the belts removed from the sheaves.

To replace the belts, position a new pair of belts on the sheaves. Insert the screwdriver in the idler arm and pry the arm into position as shown in Figure 9. Replace the clevis pin. Use the top hole on 4 and 5 HP machines; the bottom hole on 6 HP models. Secure the clevis in place with the hair pin. Position the idler carefully on the belts.

With the belts in position and the idler in place, check the belt alignment. The engine sheave and the tractor sheave must align with one another **WITH THE TRACTOR CLUTCH ENGAGED**. If the sheaves are not properly aligned, loosen the setscrews on the engine sheave and align the sheaves. Retighten the setscrews. Check the belt alignment **WITH THE CLUTCH ENGAGED**.

REPLACEMENT OF BLOWER HOUSING

Position the blower housing on the rod in the tractor frame and secure as follows:

1. Tip the blower and tractor together. Be sure the clutch rod slips into the clutch fork. Hold the attachment drive belt up as the units are tipped together. Secure with the two cap screws into the frame. As the cap screws are tightened, hold up on the handlebars to be sure the two units are secured tightly together.
2. Roll the attachment belt on to the engine sheave. Pull the recoil starter rope to turn the engine sheave and roll the belt into place under the belt finger.
3. Check the belt finger spacing. There should be 1/8 inch clearance all around the belt finger and belt with the attachment clutch engaged. Readjust the belt finger if required.
4. Check the sheave alignment with the attachment belt in place and attachment clutch engaged. Readjust

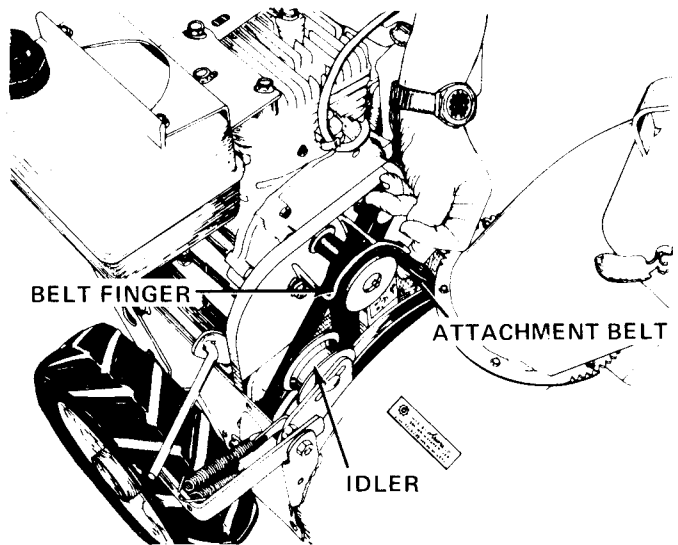


FIGURE 10

the position of the blower sheave as required to align the sheaves. It may be necessary to tip the blower housing away from the tractor to gain access to the blower sheave.

5. Replace the belt guard and chute crank assemblies. Readjust the chute crank as described in the paragraph above. Replace the spark plug wire.

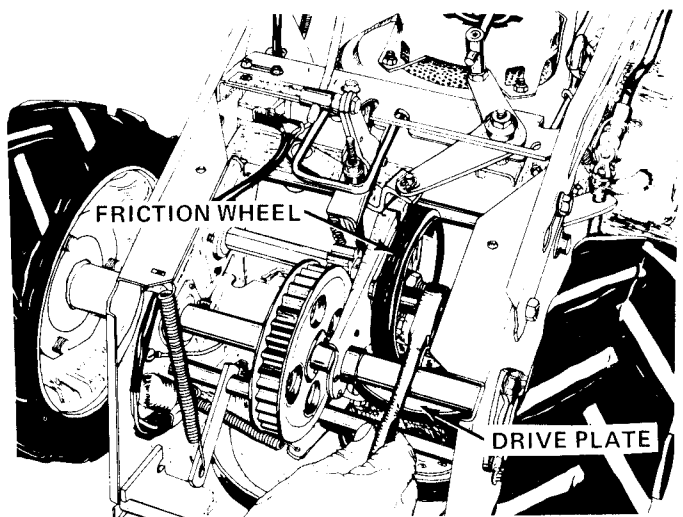


FIGURE 11

REPLACEMENT OF FRICTION WHEEL

1. Tip the machine up on the blower housing and brace securely. Remove two cap screws securing the bottom cover and remove the cover. Depress the clutch handle to remove the bottom cover.
2. Place the speed selector in **REVERSE** position. Use a wrench on hex shaft to hold the friction wheel while the nut securing the friction wheel to the hub is loosened. Remove the nut, retainer and lift out the friction wheel.
3. Position a new friction wheel on the hub and replace the retainer and nut. Tighten nuts to 45 to 55 foot pounds with a torque wrench.
4. Replace the bottom cover. Readjust the drive

CARRIER REMOVAL

1. Remove hub cap, washer, and cotter pin, and remove one wheel and wheel hub and key on right hand side.
2. Remove 2 roll pins on either side of spur gear.
3. Remove woodruff key securing spur gear.
4. Remove shaft and spur gear.
5. Remove ratchet plate or cotter pin on shift link and remove shift link from shift lever. (We show both the ratchet plate and cotter pin as on the late models we have replaced the ratchet plate with the cotter pin.) If you have a problem with the ratchet plate not holding, drill a cotter pin hole close to the edge of the rod and replace with a washer and cotter pin.
6. Remove ratchet plate on shift rod.
7. Remove 3 taptites holding the deadman bracket.
8. By tipping the deadman bracket between the hex shaft and top of the carrier.
9. The carrier can then be removed from the frame.
10. To remove hex shaft, gear, bearings, or bronze bushings, it is necessary to drill out the pop rivets.
11. We are showing 2 carrier assemblies as the late models will have a longer shaft and a nut is used on both ends.

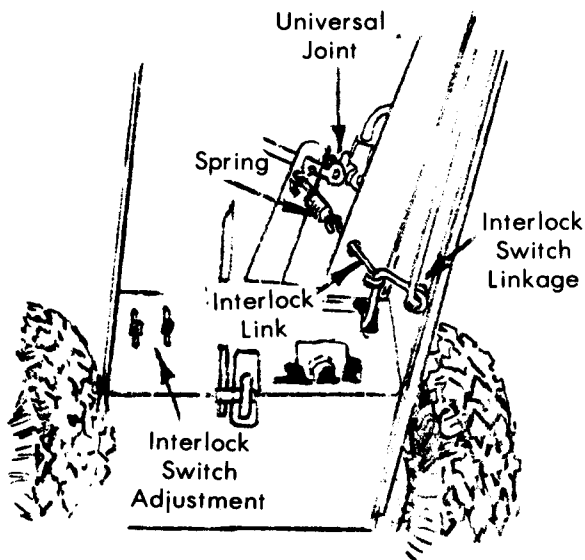
Until this change is effected the hex shaft is flush and if a bearing is replaced on this end it is necessary to use locktite between the shaft and inner bearing race.

REPLACEMENT OF CARRIER BRACKET

1. By tilting deadman lever and bracket between hex shaft and top of carrier the shift link must be in proper position with the shift lever.
2. Bolt deadman bracket in place.
3. Place shift link in shift lever, be sure gear is located in between the fork fingers and the top of the carrier on the upper shaft.
4. Replace axle and gear in frame.
5. Put in woodruff key.
6. One roll pin and position gear, then replace other roll pin.
7. Replace key, wheel, washer, cotter pin, and hub cap.
8. Replace cover.
9. We have changed the idler to accommodate a cotter pin. Again, if anyone has a problem of the ratchet plate coming off, drill the rod and use a washer and cotter pin.

REMOVAL OF DRIVE SPINDLE HOUSING

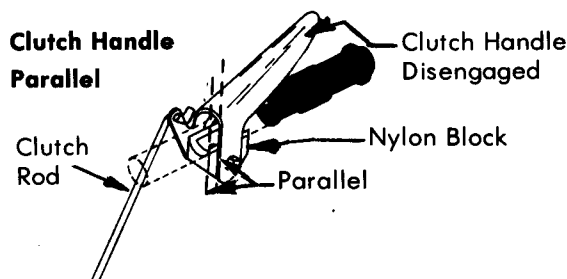
1. Remove belt by springing idler arm as far as possible to free belt from large pulley. Do not roll belt over pulley as you may cut cord in the belt. If the belt is not loose enough to drop off large pulley, loosen set screws holding camshaft sheave and slide sheave and belt off shaft.
2. Remove bottom cover.
3. Remove spring and hook from fork.
4. Remove one wheel from either side.
5. Remove cap on wheel side and slide shaft out of fork and frame.
6. Remove ratchet plate from adjustment link.
7. Remove nut, washer, and spacer from adjustment link.
8. Remove fork from adjustment link and frame.
9. Remove nut from shaft by wedging screwdriver under drive disc.
10. Remove V belt pulley.
11. Remove 3 cap screws holding clutch assembly.
12. And remove assembly.



ARIENS SNO-THRO DRIVE ADJUSTMENTS

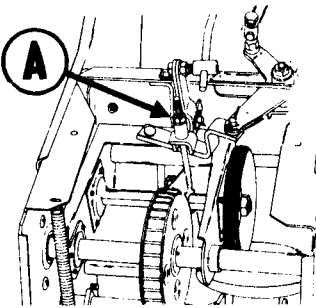
When making friction wheel adjustments, first check position of the clutch handle, as this affects the pressure being applied to the friction wheel. Adjust clutch handle so it is positioned as shown in Figure 1.

With clutch handle position correct, proceed with the adjustment of the friction wheel as follows.



**Model 924013 and
all 922000, 910000 Models**

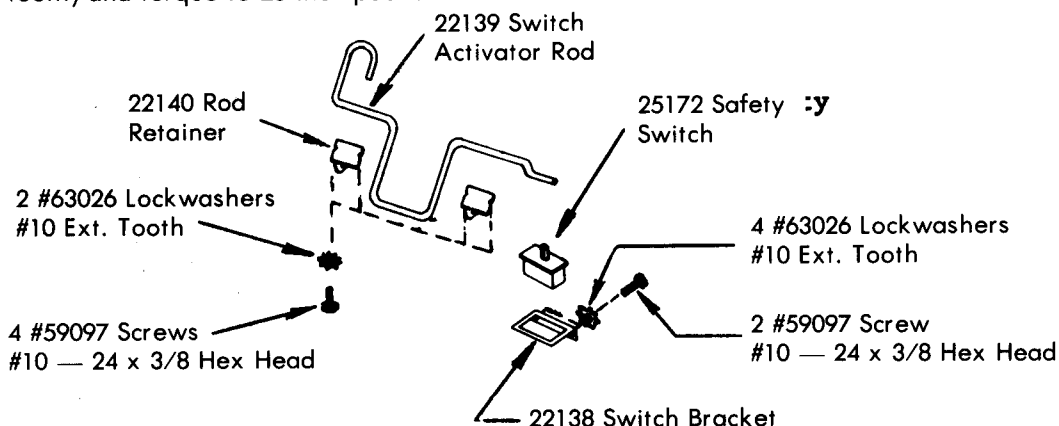
FIGURE 1

MODEL	YEAR	PROCEDURE	ILLUSTRATION
922006 4-20"	72-74	Tip machine forward. Remove cover and shift to reverse. With clutch handle in up position turn adjusting nut (A) and rotate friction wheel until it contacts the drive disc. Turn the adjustment nut (A) 1-1/2 turns out (counter-clockwise).	
922008 5-20"	72-74		
922009 6-24"	73-74		
922012 4-20"	74-75		
922014 5-20"	74-75		
922016 6-24"	74-75		
922018 4-20"	75-76		
922020 5-20"	75-76		
922021 5-Tractor	75-76		
922022 6-24"	75-76		

SAFETY SWITCH AND ACTIVATOR ROD HARDWARE REPLACEMENT ON 1974-75 COMPACT SNO-THRO MODELS 922012, 922014, 922016

Occasional incidents have been reported that the 74021 tapites used in securing the 22139 switch activator rod and the 25172 safety switch to the frame are coming loose.

Solution: Replace the (6) tapite screws with (6) 59097 screws (#10 — 24 x 3/8 hex head) and (6) 63026 lockwashers (#10 ext. tooth) and torque to 25 inch pounds.

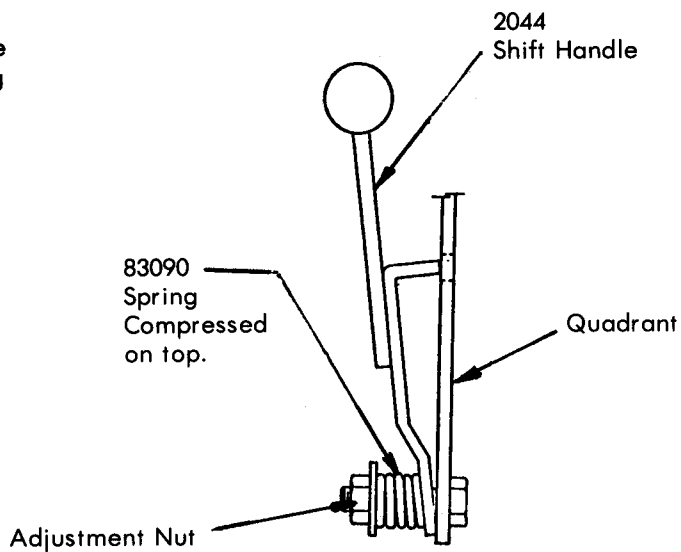


**PROCEDURE FOR ADJUSTING THE SHIFT SPRING
ON 922000 SERIES SNO-THROS.**

1. Place 22044 Shift Handle between holes in quadrant.

2. Tighten adjustment nut until 83090 Spring is just compressed on top. Back off adjustment nut 1 turn.

3. Check adjustment by moving shift handle through the forward and reverse speeds. Spring should hold shift handle firmly in position.



INSTALLATION INSTRUCTIONS FOR TECUMSEH 120 VOLT ELECTRIC STARTER KIT

WARNING — This starter is equipped with a three-wire power cord and plug and is designed to operate on 120 volt AC household current. It **must** be properly grounded at all times to avoid the possibility of electric shock which may be injurious to the operator. FOLLOW ALL INSTRUCTIONS CAREFULLY AS SET FORTH BELOW.

Determine that your house wiring is a three-wire grounded system. Ask a licensed electrician if you are not sure.

IF YOUR HOUSE WIRING SYSTEM IS **NOT** A THREE-WIRE GROUNDED SYSTEM DO **NOT** USE THIS ELECTRIC STARTER **UNDER ANY CONDITIONS**.

If your system is grounded and a three-hole receptacle is not available at the point your starter will normally be used, one should be installed. **Be sure electricity is shut off at fuse or breaker box so there is no chance of coming in contact with 120 volt current during receptacle installation.**

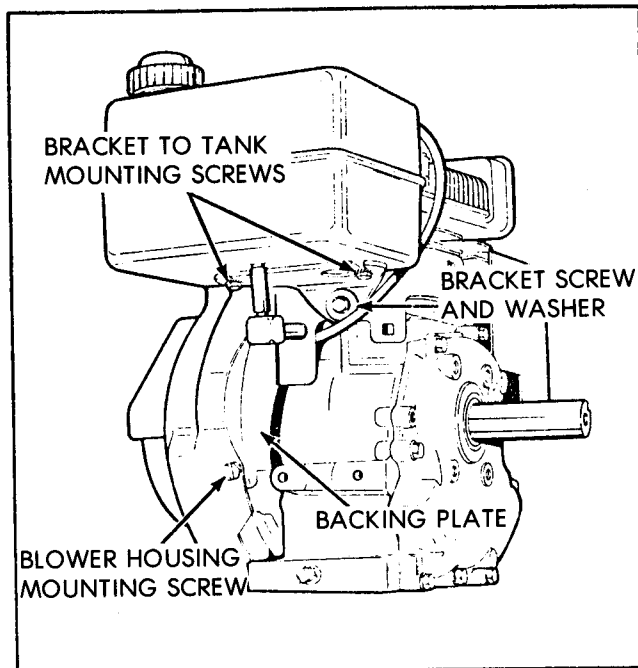


FIGURE 1

STARTER INSTALLATION

1. Loosen the blower housing mounting screw and remove the upper portion of the backing plate as shown in Figure 1.

2. Remove the partially punched out segment of the blower housing as shown in Figure 2, by gripping the piece with a pliers and gently twisting.

3. Remove and discard the lower fuel tank bracket mounting screw (Figure 1) but keep the large flat washer.

4. Loosen the screws that attach the lower bracket to the fuel tank. (See Figure 1.)

5. Insert starter bracket underneath blower housing extension and route spark plug wire underneath starter bracket. (See Figure 3.)

6. Insert two of the three self-tapping screws included in the kit into the lower starter mounting bracket. The self-tapping screw will cut thread. Put the large flat washer on the third screw and insert it through the lower fuel tank bracket, blower housing extension and starter mounting bracket and tighten it securely. (See Figure 3.)

7. Tighten the lower mounting screws securely.

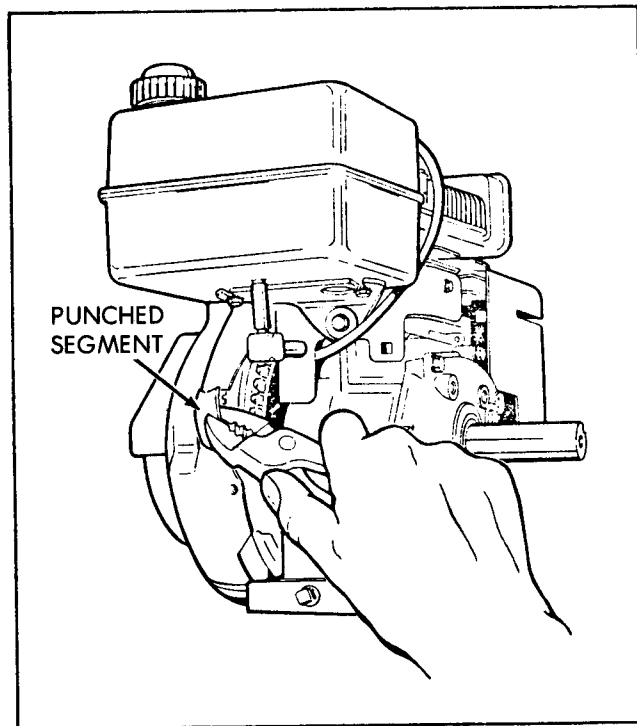


FIGURE 2

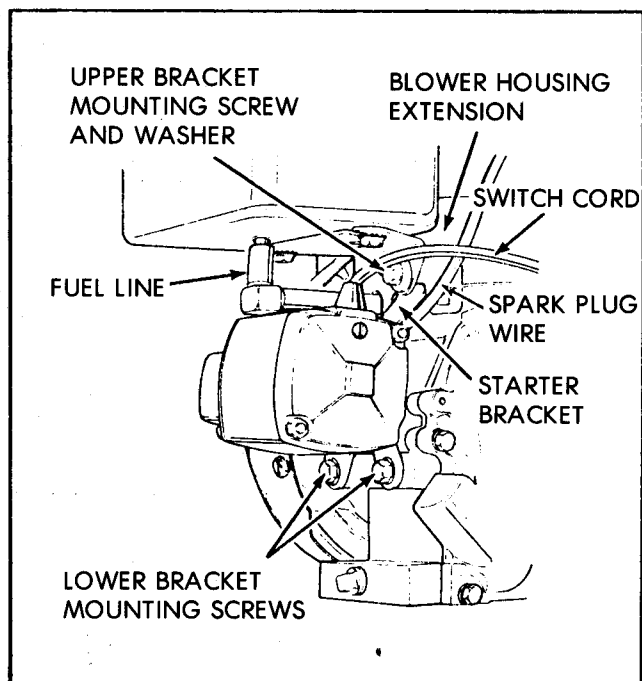


FIGURE 3

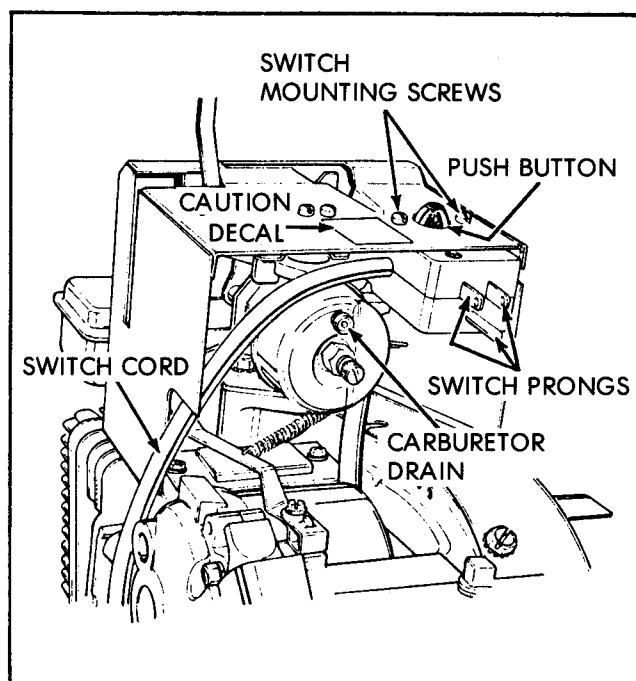


FIGURE 4

8. Route the switch cord around the rear of the engine. Insert the switch box into the carburetor cover so that the push button comes through the large hole. Insert the two mounting screws into the switch box and tighten them securely. (See Figure 4.)

9. Check to be sure that the switch box cord is not bumping the carburetor bowl drain. (See Figure 4.)

10. Attach caution decal to heater box near push button. (See Figure 4.)

OPERATION

1. Select power cord from kit and attach female end to prongs provided on switch box. (See Figure 4.)

2. Plug other end into the three-hole grounded receptacle.

3. Set engine carburetor control as you normally would for starting engine. (See Owner's Manual for detailed starting instructions.) Be sure clutch is disengaged if unit is so equipped.

4. **STAND CLEAR** and depress starting switch (Figure 4). As soon as engine starts, release switch.

NOTE: Follow cranking instructions on decal on starter motor or on decal attached to heater box in Step 10 of Installation Instructions. If your engine is hard to start have your local Tecumseh Service Dealer examine why and correct the reason.

5. After engine is started disengage power cord at wall receptacle first and then from switch box. Store the cord in a safe, dry convenient place.

LUBRICATION

ENGINE

Fill crankcase (10) with Ariens Sno-Thro oil 5W-20 when using Sno-Thro.

Use Ariens Gard-N-Yard oil MS classification SAE-30 when using lawn attachments.

Refer to engine owners manual for appropriate crankcase oil substitutes.

Fill fuel tank (11) with fresh, clean unleaded automotive gasoline. (Leaded "regular" grade gasoline is an acceptable substitute.)

NOTE: For detailed instructions on engine refer to manufacturer's booklet packed with the machine.

TRACTOR DRIVE

At start of season, grease gears, hex and axle shaft as indicated in figure 14. Use Ariens Moly Lithium grease.

Put two or three drops of light oil on shift lever and other linkage points. **CAUTION:** ⚠ Do not allow grease or oil to come in contact with friction wheel, drive disc or belts.

SNO-THRO UNIT

Drain and refill Sno-Thro gear case with about five ounces of Ariens Premium Gear Lubricant MP-90 every 25 hours operation.

To drain and refill, remove fill plug (B), remove drain plug (A) and allow oil to drain. Tip machine back on handlebars. Pour oil into fill hole (B) until it starts to run out of drain hole. See Figure 12. Replace drain and fill plugs.

Grease rake shaft periodically or each time a shear bolt is replaced. At the end of the season, remove shear bolts, use a grease gun on zerk fittings to grease rake shaft, turn rakes on shaft several times and replace shear bolts. See Figure 12. Use Ariens 000150 grease.

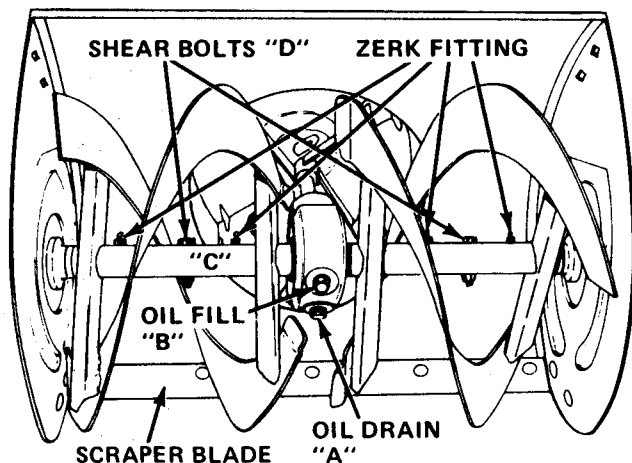


FIGURE 12

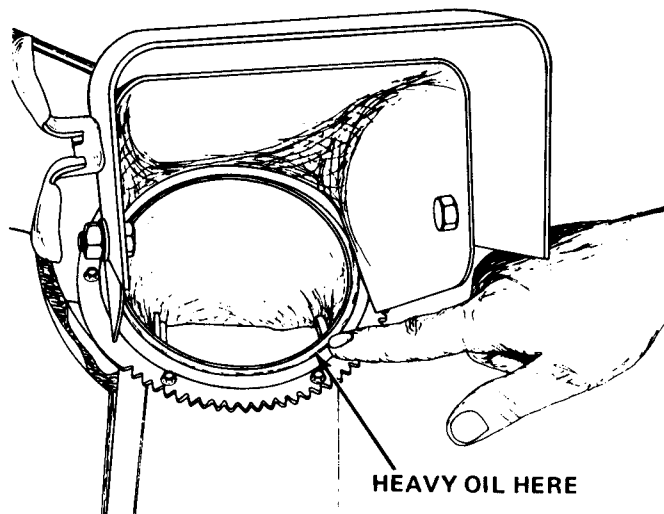


FIGURE 13

Oil the discharge chute with several drops of heavy oil. See Figure 13.

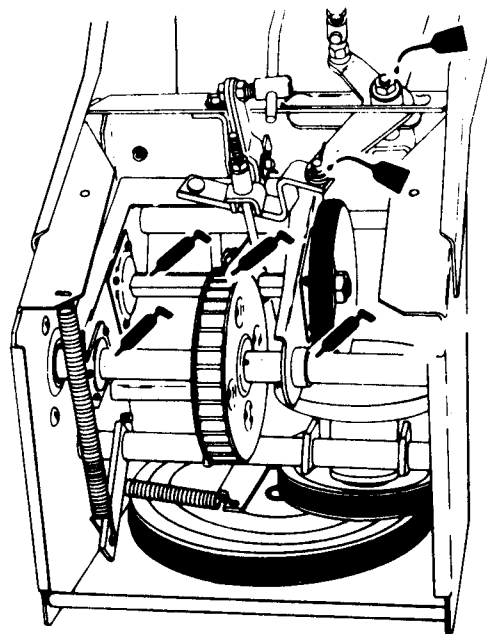


FIGURE 14

TROUBLE SHOOTING

MODEL	TYPE OF FAILURE	CAUSE	SOLUTION	SERVICE BULLETIN OR LETTER
1) 922000	32016 gear breaking.	1. Ice build up in bottom cover.		
2) 922000	69108 throttle cable bending.	1. Use 69080 cable.		
3) 922000	Starter chewed up flywheel.	1. Not installed properly.		
4) 922000	Broke gear case.	1. Rusted auger shaft. 2. Wrong shear bolts.		
5) 922000	Drive belts failing.	1. Not installed properly. 2. Not aligned properly. 3. Not matched set of belts. 4. Pulleys not machined properly.	1. Should clutch unit while aligning.	
6) 922000	522010 Helicon Gear failing.	1. Shaft not heat treated properly.		
7) 922000	Seals leaking in gear case.	1. Poor installation. 2. Seal cavity bored off center.		
8) 922000	Friction hub comes loose.	1. Use new style 22192 hub with 22196 retainer.		
9) 922000	Throttle control bent or frozen.	1. Not put into fast position when last used. 2. Not lubricated.		
10) 922000 Series	72023 belts breaking.	1. Misalignment of idler. 2. Belts not matched. 3. Sharp edge on sheaves. 4. Improper alignment. 5. Improper grooves in sheaves. 6. Loose sheaves.	1. Adjust idler. 2. Replace belts. 3. Remove sharp edges. 4. Re-align. 5. Replace sheaves. 6. Tighten.	
11) 922012 thru 922017	Engine stops when engaging blower.	1. Interlock lever not depressed. 2. Interlock switch not adjusted properly. 3. Hardware mounting interlock system coming loose.	1. Depress. 2. Adjust at rear of tractor. 3. Replace with correct hardware.	See page 52
12) 922000	Poor shifting.	Not adjusted properly.		SL-118
13) 922000	No drive.	Not adjusted properly.		See page 52

BELT CROSS REFERENCE

YEAR	HP	DRIVE	BLOWER
1975, 1978	4, 5 HP.	72023	72056
	6 HP.	72074	72056
1968/74	4, 5 HP.	72023	72056

ENGINE LISTINGS

PRODUCT: 22,000 Series Sno-Thru

MODEL YEAR	MICRO FICHE CARD NO.	MODEL NUMBER	SERIAL NUMBER AND UP	ENGINE H.P. MAKE STARTER	ARIENS IBM NUMBER	ORIGINAL ENGINE NUMBER	REPLACEMENT ENGINE			REPLACEMENT SHORT BLOCK		
							ENGINE NUMBER	REMOVE PARTS	ADD PARTS	SHORT BLOCK NUMBER	REMOVE PARTS	ADD PARTS
1968-1969	8	22999	000001	4 Tec. Recoil	82020	HS40-55232A	905300A			755080B		80122B/ 32877A
1969-1970	8	22999	010001	4 Tec. Recoil	82039	HS40-55265B	905300A			755080B		80122B/ 32877A
1970-1971	8	922999	000001	4 Tec. Recoil	82039	HS40-55265B	905300A			755080B		80122B/ 32877A
1971-1972	8	922002	000001	4 Tec. Recoil	82060	HS40-55265C	905300A			755080B		80122B/ 32877A
1972-1973	8	922006	000101	4 Tec. Recoil	82071	HS40-55440C	905300A			755080B		80122B/ 32877A
1972-1973	8	922007	000101	5 Tec. Recoil	82072	HS50-67008	905300A			754197		
1972-1973	8	922008	000101	5 Tec. Recoil	82072	HS50-67008	905300A			754197		
1973-1974	8	922006	006601	4 Tec. Recoil	82071	HS40-55440C	905300A			755080B		80122B/ 32877A
1973-1974	8	922007	000125	5 Tec. Recoil	82072	HS50-67008	905300A			754197		
1973-1974	8	922008	008501	5 Tec. Recoil	82072	HS50-67008	905300A			754197		
1973-1974	8	922009	000101	6 Tec. Recoil	82074	H60-75376J	NONE			756202		
1974-1975	8	922012	000101	4 Tec. Recoil	82071	HS40-55440C	905300A			755080B		80122B/ 32877A
1974-1975	8	922013	000101	4 Tec. Recoil	82071	HS40-55440C	905300A			755080B		80122B/ 32877A
1974-1975	8	922014	000101	5 Tec. Recoil	82072	HS50-67008	905300A			754197		
1974-1975	8	922015	000101	5 Tec. Recoil	82072	HS50-67008	905300A			754197		
1974-1975	8	922016	000101	6 Tec. Recoil	82074	H60-75376J	NONE			756202		
1974-1975	8	922017	000101	6 Tec. Recoil	82074	H60-75376J	NONE			756202		

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ENGINE LISTINGS

MODEL YEAR	MICRO FICHE CARD NO.	MODEL NUMBER	SERIAL NUMBER AND UP	ENGINE H.P. MAKE STARTER	ARIENS IBM NUMBER	ORIGINAL ENGINE NUMBER	REPLACEMENT ENGINE			REPLACEMENT SHORT BLOCK		
							ENGINE NUMBER	REMOVE PARTS	ADD PARTS	SHORT BLOCK NUMBER	REMOVE PARTS	ADD PARTS
1975-1976	8	922018	000101	4 Tec. Recoil	82103	HS40-55440D	905300A			755080B		80122B/ 32877A
1975-1976	8	922019	000101	4 Tec. Recoil	82103	HS40-55440D	905300A			755080B		80122B/ 32877A
1975-1976	8	922020	000101	5 Tec. Recoil	82104	HS50-67008A	905300A			754197		
1975-1976	8	922021	000101	5 Tec. Recoil	82104	HS50-67008A	905300A			754197		
1975-1976	8	922022	000101	6 Tec. Recoil	82105	H60-75376L	NONE			756216		
1975-1976	8	922023	000101	6 Tec. Recoil	82105	H60-75376L	NONE			756216		
1976-1977	8	922018	003801	4 Tec. Recoil	82103	HS40-55440E	905300A			755080B		80122B/ 32877A
1976-1977	8	922019	000101	4 Tec. Recoil	82103	HS40-55440E	905300A			755080B		80122B/ 32877A
1976-1977	8	922020	004701	5 Tec. Recoil	82104	HS50-67008B	905300A			754197		
1976-1977	8	922021	000101	5 Tec. Recoil	82104	HS50-67008B	905300A			754197		
1976-1977	8	922022	002401	6 Tec. Recoil	82105	H60-75376M	NONE			756216		
1976-1977	8	922023	000101	6 Tec. Recoil	82105	H60-75376M	NONE			756216		
1977-1978	8	922018	008001	4 Tec. Recoil	82103	HS40-55440E	905300A			755080B		80122B/ 32877A
1977-1978	8	922019	000101	4 Tec. Recoil	82103	HS40-55440E	905300A			755080B		80122B/ 32877A
1977-1978	8	922020	011001	5 Tec. Recoil	82104	HS50-67008B	905300A			754197		
1977-1978	8	922021	000101	5 Tec. Recoil	82104	HS50-67008B	905300A			754197		
1977-1978	8	922022	007001	6 Tec. Recoil	82105	H60-75376M	NONE			756216		

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